

**SECRET**

**Nº**

**34**

**RESEARCH AID**

**ECONOMIC INTELLIGENCE STATISTICAL  
HANDBOOK**



**CIA/RR RA-12  
26 February 1957**

**CENTRAL INTELLIGENCE AGENCY  
OFFICE OF RESEARCH AND REPORTS**

**SECRET**

**WARNING**

This material contains information affecting the National Defense of the United States within the meaning of the espionage laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

**SECRET**

# **ECONOMIC INTELLIGENCE STATISTICAL HANDBOOK**

**CIA/RR RA-12**  
**(ORR Project 00.1616)**

## **NOTICE**

This compilation was prepared primarily for use in ORR and is not a formal ORR publication. Some of the estimates contained herein have not been reviewed or coordinated in ORR.

**CENTRAL INTELLIGENCE AGENCY**  
**Office of Research and Reports**

**SECRET**





## SECRET

## FOREWORD

1. *Objectives and Scope.*

The *Economic Intelligence Statistical Handbook* (hereafter referred to as the *Handbook*) is a concise reference work in tabular and graphic form designed to supply data pertinent to the analysis, assessment, and comparison of the economic characteristics of the Sino-Soviet Bloc countries and the countries comprising the North Atlantic Treaty Organization (NATO). Ideally, such a compilation should contain information pertaining to production, plans, capacity, trade, consumption, inventory, stockpiles, and known reserves. Where this research aid falls short of its objective, it is hoped that missing data may be supplied at a future date.

Countries of the Sino-Soviet Bloc included in this report are the USSR, Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Rumania, China, North Korea, and North Vietnam. The total production of these countries is compared to that of NATO, whose member countries are Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the UK, the U.S., and West Germany. The Saar has been added as a separate political entity merely because its industrial production is often listed separately in the sources used.

The *Handbook* covers primarily the years 1938 and 1946-56. In several instances, however, the years 1946-47 and 1956 have been omitted because of a lack of sufficient information. Data for the individual NATO countries, except for the U.S., have been included only for the years 1953-54 or 1954-55. When available, data for the other major producers of the Free World have also been included for the same years.

2. *Source and Reliability.*

Unless otherwise indicated, data for the Sino-Soviet Bloc countries are ORR estimates (except for those in Tables 153 through 157 and in Table 197) contained in the ORR Estimates File as of 15 August 1956. To provide a central source for up-to-date reference data, ORR analysts contribute to this file all economic estimates as they are made and submit quarterly reports revising or confirming previous estimates. Such estimates, therefore, are provisional and subject to adjustment from time to time.

Data for the NATO countries were selected from the most reliable and most current sources available. In general, these sources were unclassified publications of the UN, the Organisation for European Economic Cooperation (OEEC), and official statistical bulletins of the various countries. Reasonable care was exercised in selecting the sources, but CIA does not assume responsibility for their accuracy. A list of these sources is included in this volume.

Blanks which appear in the data of any country listed indicate that information was either not available as to the amount or to the existence of production. For the Sino-Soviet Bloc countries, 1956 official Plan figures were included whenever possible, but most 1956 figures included are projections made by ORR analysts.

When a country name is omitted from the countries listed above, it again indicates that information was not available. In each case where it is known that no production exists of a specific item in Sino-Soviet Bloc countries, however, a footnote states this fact. For NATO countries, the omission of the name of the country may mean either that information was not available or that there was no production. The dis-

## SECRET

inction between "Not Available" and "No Production" could not be made in the case of the NATO countries, because the principal sources used did not indicate a distinction.

### 3. *Boundaries.*

~~Since~~ Since the Sino-Soviet Bloc is relatively new and since significant boundary changes have occurred during the past 25 years, comparability of data becomes an important problem in analyzing some time series. Unless otherwise indicated, boundaries of the countries in this research aid are those presently in force, and the data for earlier years have been adjusted accordingly. The map\* should serve as a guide for the present boundaries.

### 4. *Time Series.*

No attempt was made in compiling the present *Handbook* to adjust time series to take account of such problems as homogeneity of product and changes in reporting systems. Any adjustments for such factors known to have been made by analysts originally responsible for the estimates or al-

\*Following p. 159.

ready made in the source of NATO data have been indicated in footnotes to individual tables.

### 5. *Rounding.*

With the exception of official figures the data in this report generally have been rounded to three significant figures, unless such rounding would have resulted in significant difference in the number. In cases where a figure was less than one-half of the smallest unit used in the table, the figure has been omitted and the term "Negligible" has been substituted. Data officially published by Sino-Soviet Bloc governments and accepted as estimates by the ORR analysts have not been rounded. These figures are in italics to identify them as official figures.

### 6. *Totals.*

Totals for NATO and Sino-Soviet Bloc countries are simple additions of unrounded data. Hence they may not always agree with the sum of rounded figures appearing under individual country headings. No adjustment has been made to compensate for gaps in country data. Totals were omitted, however, when they were obviously far from the true total of production.

## GLOSSARY OF TERMS AND CONVENTIONS

Plan .....	Official plan data, sometimes derived from officially announced percentage increases over announced bases.
Consumption .....	Domestic consumption from stocks, production, and imports.
Inventory .....	Total stocks on hand; that is, operational stocks plus normal and strategic reserves.
Italics .....	Data officially published by Soviet Bloc governments and accepted as estimates by the ORR analysts concerned are in italics.
Blank spaces .....	Blank spaces indicate that data was not available, unknown, or not applicable.

SECRET

## CONTENTS

	<i>Page</i>		<i>Page</i>
<b>NATIONAL ACCOUNTS</b>		<del>27.</del> Coke .....	22
1. USSR: Gross National Product 1950, 1953, and 1955 .....	1	28. Metallurgical Coke .....	23
2. Gross National Product of USSR, by End Use, 1950, 1953, and 1955 .....	1	29. Manufactured Gas .....	24
3. Gross National Product of Euro- pean Satellites, 1950-55 .....	1	30. Crude Petroleum .....	25
4. Gross National Product of Com- munist China, 1950-55 .....	2	31. Natural Gas .....	26
5. Gross National Product of Free World Countries, 1948-55 .....	3	32. Petroleum Products .....	27
6. State Budget, USSR, 1953-56 .....	4	33. Gasoline .....	28
<del>7.</del> State Budget, Albania, 1953-56 .....	5	34. Diesel Fuel .....	29
<del>8.</del> State Budget, Bulgaria, 1953-56 .....	5	35. Kerosine .....	30
<del>9.</del> State Budget, Czechoslovakia, 1954-56 .....	6	36. Lubricating Oils .....	31
<del>10.</del> State Budget, East Germany, 1953-56 .....	7	37. Residuals and Others .....	32
<del>11.</del> State Budget, Hungary, 1953-56 .....	8	38. Synthetic Oil Products .....	33
<del>12.</del> State Budget, Poland, 1953-56 .....	9	39. Military Consumption of Petro- leum Products, Sino-Soviet Bloc, 1950-55 .....	33-34
<del>13.</del> State Budget, Rumania, 1953-56 .....	10	<b>PRODUCTION OF MINERALS AND METALS</b>	
14. State Budget, Communist China, 1950-55 .....	11	<i>A. Iron, Steel, and Manganese</i>	
<del>15.</del> Sino-Soviet Bloc Budgetary Allo- cations to Defense .....	11	40. Iron Ore .....	35
<b>POPULATION</b>		41. Manganese Ore .....	36
16. Population, 1938 and 1946-55 .....	13	42. Pig Iron .....	37
17. Civilian Labor Force .....	13	43. Crude Steel .....	38
18. Agricultural Labor Force .....	14	<del>44.</del> Finished Steel .....	39
19. Nonagricultural Labor Force .....	14	<i>B. Ferroalloying Metals</i>	
<del>20.</del> Average Annual Number of Work- ers and Employees by Branches of the USSR National Economy .....	15	45. Chrome .....	40
<del>21.</del> Population of the Union Repub- lics, 1940 and 1956 .....	16	46. Tungsten .....	41
<b>PRODUCTION OF ENERGY AND FUELS</b>		47. Nickel .....	42
22. Electric Power .....	17	48. Molybdenum .....	43
23. Coal .....	18	49. Cobalt .....	44
24. Hard Coal .....	19	<del>50.</del> Vanadium .....	44
25. Brown Coal .....	20	<i>C. Non-Ferrous Ores and Metals</i>	
26. Peat .....	21	51. Bauxite .....	45
		52. Primary Aluminum .....	46
		53. Copper .....	47
		54. Lead .....	48
		55. Tin Metal .....	49
		56. Zinc .....	50
		<i>D. Precious Metals</i>	
		<del>57.</del> Platinum .....	51

SECRET

v

## SECRET

	Page		Page
<b>PRODUCTION OF MINERALS AND METALS (Continued)</b>		92. Household Food Consumption in USSR	83
<b>E. Others</b>		<b>PRODUCTION MANUFACTURED ITEMS</b>	
<del>58.</del> Antimony	51	<b>A. Consumer Industry</b>	
<del>59.</del> Cadmium	52	<del>93.</del> Non-Food Consumer Goods, Per Capita, 1937, 1950, 1953-54	85
60. Primary Magnesium	52	94. Cotton Yarn	85
61. Mercury	53	95. Wool Yarn	86
<del>62.</del> Asbestos	53	96. Rayon Yarn	86
<del>63.</del> Fluorspar	54	<del>97.</del> Cotton Fabrics	87
64. Sulphur from Pyrites Ore	55	<del>98.</del> Woolen Fabrics	88
<b>PRODUCTION OF AGRICULTURE AND PROCESSED FOODS</b>		<del>99.</del> Linen Fabrics	88
<b>A. Food Crops</b>		100. Leather Footwear	89
65. Grain, 1949-55	57	<del>101.</del> Refrigerators	89
66. Breadgrains	58	<del>102.</del> Washing Machines	90
67. Wheat	59	<b>B. Chemicals</b>	
68. Rye	60	103. Sulphuric Acid	91
69. Coarse Grain	61	104. Synthetic Ammonia	92
70. Barley	62	105. Nitric Acid	93
71. Oats	63	106. Soda Ash	94
72. Corn	64	107. Caustic Soda	95
73. Rice	65	108. Chlorine	96
74. Potatoes	66	109. Calcium Carbide	97
<b>B. Technical Crops</b>		110. Benzol	97
75. Cotton (ginned)	67	111. Toluol	98
76. Wool (grease basis)	68	112. Phenol	99
<del>77.</del> Sugar Beets	69	<del>113.</del> Naphthalene	99
78. Vegetable Oils	70	<b>C. Rubber and Rubber Products</b>	
<b>C. Number of Livestock</b>		114. Synthetic Rubber	100
<del>79.</del> Horses	71	<del>115.</del> Reclaimed Rubber	100
80. Cattle	72	116. Rubber Tires	101
81. Hogs	73	<b>D. Electrical Industry</b>	
82. Sheep	74	<del>117.</del> Turbines (steam and hydraulic)	102
<b>D. Forest Products and Fisheries</b>		<del>118.</del> Transformers, Power and Distribution, all sizes	102
<del>83.</del> Fuelwood	75	119. Electric Motors, all sizes	103
84. Industrial Wood	76	120. Electric Generators, all sizes	104
85. Fish Catch	77	<del>121.</del> Wire and Cable	104
<b>E. Processed Foods</b>		<del>122.</del> Switchgear and Switchboard Apparatus	105
86. Meat	78	<del>123.</del> Storage Batteries	105
87. Sugar (raw)	79	<del>124.</del> Primary Batteries	105
88. Milk	80	125. Electron Tubes	106
89. Flour	81	<del>126.</del> Electronic Resistors	106
90. Animal Fats	81	<del>127.</del> Electronic Capacitors	106
<del>91.</del> Selected Foods, Per Capita, 1937, 1950, 1953-54	82	128. Radio Receivers	107
		129. Television Receivers	108

## SECRET

	<i>Page</i>		<i>Page</i>
<b>PRODUCTION MANUFACTURED ITEMS</b>		162. Inventory of Automobiles, 1938, 1950-55	130
(Continued)		163. Inventory of Locomotives	131
<b>E. Machinery Industry</b>		164. Inventory of Railway Passenger Cars	132
130. Machine Tools	109	165. Inventory of Railway Freight Cars	133
131. Inventory of Machine Tools	109	166. Inventory of Merchant Fleet	134
132. Metalforming Machinery	109	167. Inventory of River Fleet, USSR	135
133. Anti-Friction Bearings	110	168. Inventory of Tugs, 1954-55	135
134. Textile Machinery	111	169. Inventory of Barges, 1951, 1954-55	135
135. Coal Mining Equipment	111	170. Inventory of Miscellaneous Vessels, 1954-55	135
136. Metallurgical Equipment	111		
137. Agriculture Machinery	112	<i>Inventory of Automobiles</i>	
138. Grain Combines	113	<b>B. Construction</b>	
139. Tractors	114	<i>Volume of Construction</i>	
<b>F. Transportation Equipment Industry</b>		171. New Urban Housing Construction	136
140. Maritime Vessels	115	172. Cement	137
141. Inland Water Vessels (self propelled) 1950-56	115	173. Bricks	138
142. Inland Water Vessels (non-self propelled) 1950-56	116		
143. Fishing Vessels, 1950-56	116	<b>C. Communication</b>	
144. Tankers, Tugs, Barges, and Miscellaneous Vessels, USSR, 1950-56	116	174. Number of Coastal Radio Stations	139
145. Locomotives, all types	117	175. Number of Fixed Aeronautical Radio Stations	139
146. Steam Locomotives	117	176. Number of Fixed Radio Station (point to point)	140
147. Diesel Locomotives	118	177. Number of Wire Radio Diffusion Centers	140
148. Electric Locomotives	118	178. Number of Loudspeakers (wired) in Use	141
149. Railroad Passenger Cars	119	179. Number of Radio Transmitting Stations	142
150. Mainline Freight Cars	120	180. Number of Television Transmitting Stations	142
151. Automobiles	121	181. Number of Radio Broadcast Receivers in Use	143
152. Commercial Vehicles	122	182. Number of Television Receivers in Use	144
153. Aircraft by Type in United States	123	183. Number of Telephone Subscribers	145
154. Aircraft by Type in NATO Countries, 1954-55	124	184. Number of Telephone Conversations (long distance)	146
155. Aircraft by Type in USSR	125	185. Number of Domestic Telegrams Sent Over Basic System	147
156. Aircraft by Type in European Satellites	125	186. Volume of Letters Mailed	148
157. Aircraft by Type and Country in Free World, 1954-55	126		

## SERVICES

## A. Transportation

158. Rail Freight Traffic	127
159. Highway Freight Traffic	128
160. Inland Water Transportation	129
161. Ocean Transportation	130

*Highway Freight Traffic*

## TRADE

187. Total Sino-Soviet Bloc Trade With Free World, 1950-55	149
188. East-West Trade, Imports and Exports, 1950-55	149
189. China Total Trade Turnover, By Major Area, 1950-55	150

*Total Trade Turnover of Sino-Soviet Bloc*

SECRET

vii

## SECRET

	<i>Page</i>		<i>Page</i>
<b>MILITARY END ITEMS</b>		194. Tanks and Assault Guns .....	152
<del>190.</del> Ammunition .....	151	<del>195.</del> Inventory of Weapons and Ammu- nition, 1946, 1951-56 .....	153
<del>191.</del> Small Arms .....	151	196. Naval Vessels, 1950-56 .....	154
<del>192.</del> Mortars .....	151	197. Inventory of Naval Vessels, 1956 .....	154
<del>193.</del> Artillery .....	152		

## ILLUSTRATIONS

	<i>Follows page</i>		<i>Follows page</i>
Figure 1. Population .....	12	Figure 15. Radios (per number of per- sons) .....	84
Figure 2. Electric Power .....	16	Figure 16. Passenger Cars (per num- ber of persons) .....	84
Figure 3. Coal .....	18	Figure 17. Cotton Fabric .....	86
Figure 4. Crude Petroleum .....	24	Figure 18. Sulphuric Acid .....	90
Figure 5. Iron Ore .....	34	Figure 19. Synthetic Ammonia .....	92
Figure 6. Pig Iron .....	36	Figure 20. Railway Freight Traffic ...	126
Figure 7. Crude Steel .....	38	Figure 21. Cement .....	136
Figure 8. Primary Aluminum .....	46	Figure 22. China Total Trade Turn- over .....	150
Figure 9. Copper .....	46	Figure 23. Map of Sino-Soviet Bloc and NATO Countries .....	159
Figure 10. Total Grain Production ...	56		
Figure 11. Cotton (Ginned) .....	66		
Figure 12. Wool (Grease Basis) .....	66		
Figure 13. Meat .....	78		
Figure 14. Raw Sugar .....	78		

SECRET

NATIONAL ACCOUNTS

Table 1

USSR: GROSS NATIONAL PRODUCT, 1950,  
1953, and 1955

Billion 1955 Dollars

Year	Value
1950.....	104
1953.....	127
1955.....	145

Table 2

USSR: GROSS NATIONAL PRODUCT BY END  
USE, 1950, 1953, AND 1955

Billion 1953 Rubles

	1950	1953	1955
Consumption.....	451	558	623
Investment.....	179	232	284
Defense.....	110	128	150
Administration.....	32	31	29
Total.....	772	949	1,086

Table 3

EUROPEAN SATELLITES: ESTIMATED GROSS NATIONAL PRODUCT,\* 1950-55

	1950	1951	1952	1953	1954	1955
<i>Billion 1955 Dollars</i>						
Bulgaria.....	1.19	1.27	1.33	1.42	1.56	1.68
Czechoslovakia.....	7.93	8.34	9.10	9.79	10.3	11.1
East Germany.....	10.8	12.5	13.9	15.0	16.3	17.3
Hungary.....	2.67	2.94	3.15	3.40	3.42	3.62
Poland.....	16.7	17.1	17.9	19.2	20.7	22.1
Rumania.....	2.98	3.30	3.32	3.68	3.98	4.48
Total *.....	42.3	45.4	48.7	52.5	56.3	60.3
<i>China</i>	<i>34.0</i>	<i>40.0</i>	<i>45.5</i>	<i>50.0</i>	<i>53.5</i>	<i>56.0</i>
<i>Index Numbers</i>						
Bulgaria.....	100	107	112	119	131	141
Czechoslovakia.....	100	105	115	123	130	140
East Germany.....	100	116	129	139	151	160
Hungary.....	100	110	118	127	128	136
Poland.....	100	102	107	115	124	132
Rumania.....	100	111	111	123	134	150
Total *.....	100	107	115	124	133	143
<i>China</i>	<i>100</i>	<i>118</i>	<i>134</i>	<i>147</i>	<i>157</i>	<i>165</i>
* Excluding Albania.						

SECRET

1

## NATIONAL ACCOUNTS

## SECRET

Table 4  
COMMUNIST CHINA: GROSS NATIONAL PRODUCT  
1950-55

	Millions of Yuan at Current Market Prices					
	1950	1951	1952	1953	1954	1955
Retail Sales.....	16,790	22,300	27,660	35,040	39,190	40,300
Less: Business and government purchases and plus imputed wages in kind.....	850	1,080	285	345	340	360
Less: Purchase of production materials by peasants.....	-2,065	-2,515	-3,000	-3,370	-4,040	-4,850
Imputed Farm Home Purchases.....	11,215	12,810	16,300	16,395	15,120	17,400
House Rent:						
Agricultural.....	1,005	1,175	1,580	1,700	1,655	1,780
Nonagricultural.....	1,410	1,790	2,450	3,315	3,385	3,650
Miscellaneous Consumer Services:						
Agricultural.....	1,580	1,885	2,300	2,485	2,945	3,180
Nonagricultural.....	1,290	1,640	2,240	3,030	3,095	3,335
Total Consumption Expenditures.....	32,075	40,165	49,815	58,940	61,690	65,165
Gross Investment:						
State investment.....	1,360	2,755	5,910	8,140	11,680	12,245
Private:						
Agricultural.....	825	1,005	1,200	1,350	1,475	1,765
Nonagricultural.....	180	215	250	320	330	330
Net increases in inventories.....	2,420	3,150	2,700	3,140	2,860	1,980
	4,785	7,125	10,060	12,950	16,345	16,320
Net Foreign Investment.....	-165	-670	-510	-740	-1,107	-1,000
Government Purchases of Goods and Services.....	4,800	8,000	7,600	9,542	9,529	10,015
Total Gross National Product at Market Prices.....	41,495	54,620	66,965	80,692	86,457	90,500



SECRET

NATIONAL ACCOUNTS

Table 5

## FREE WORLD COUNTRIES: GROSS NATIONAL PRODUCT, 1948-55 \*

Millions of 1955 Dollars by Calendar Years at Market Prices

Country	1948	1949	1950	1951	1952	1953	1954	1955
US.....	296,000	296,000	322,000	345,000	359,000	375,000	364,000	387,000
Canada.....	17,400	18,800	20,100	22,000	24,300	25,200	24,300	26,000
Total European NATO <sup>b</sup> .....	113,000	129,000	140,000	153,000	167,000	176,000	182,000	196,000
Belgium-Luxembourg.....	7,740	7,850	8,140	8,760	9,140	9,080	9,130	9,310
Denmark.....	2,890	3,100	3,510	3,520	3,690	3,930	4,010	4,290
France.....	21,500	26,700	30,000	34,700	40,700	41,500	43,200	45,500
Greece.....	698	938	1,080	1,200	1,250	1,650	1,880	2,100
Iceland.....	100	97	112	130	147	164	174	187
Italy.....	13,600	14,300	15,600	16,800	17,700	19,100	19,900	21,600
Netherlands.....	4,840	5,390	5,870	6,090	6,360	6,680	7,080	7,750
Norway.....	2,090	2,220	2,420	2,820	3,070	3,060	3,280	3,440
Portugal.....	1,530	1,590	1,760	1,770	1,700	1,720	1,740	1,760
Saar.....	431	535	601	695	816	832	866	940
Turkey.....	3,980	3,800	4,190	4,600	5,320	6,190	5,970	7,040
U.K.....	38,300	40,600	42,200	43,200	46,100	48,700	50,200	52,900
West Germany.....	14,900	21,700	24,200	28,400	31,200	32,900	35,000	38,700
Austria.....	1,280	1,760	2,150	2,670	3,060	3,060	3,410	3,710
Finland.....	1,960	2,100	2,600	3,570	3,620	3,600	3,910	4,230
Ireland.....	1,150	1,240	1,240	1,210	1,360	1,480	1,450	1,510
Spain.....	3,460	3,610	4,410	6,310	6,630	6,980	7,230	7,660
Sweden.....	5,730	5,990	6,300	7,160	7,760	7,920	8,170	8,710
Switzerland.....	5,420	5,350	5,500	5,480	5,660	5,760	5,940	6,180
West Berlin.....	667	866	1,030	1,170	1,260	1,390	1,540	1,760
Yugoslavia.....	.....	.....	.....	3,880	3,790	4,430	4,740	5,900
Other.....	222	254	276	301	331	347	363	.....
Total Europe.....	132,000	150,000	163,000	184,000	201,000	211,000	219,000	235,000

\* Precise comparisons of the levels of GNP between those of European countries and that of the US are not possible. The conversion into dollars has been made on the basis of official foreign exchange rates, and the purchasing power of the dollar is appreciably higher in most European countries than in the US. Intra-European comparisons of the converted dollar figures are subject to similar limitations. Adjustments to make the figures truly comparable cannot be made. *If the dollar estimates for Canada and total*

<sup>b</sup> Exclusive of Canada and US.

*European NATO countries are to be consistent with the dollar valuations in Tables 1 and 3, they would be about 35%.*

SECRET

3

## NATIONAL ACCOUNTS

## SECRET

Table 6  
USSR: STATE BUDGET, 1953-55

Billion Current Rubles

	1953		1954		1955		1956
	Plan	Actual	Plan	Actual	Plan	Actual	Plan
Revenue:							
Turnover tax.....	240.4	243.6	234.4	224.3	233.7	242.9	271.2
Profits tax.....	80.6	70.3	92.8	83.4	117.6	101.2	107.3
Taxation on population.....	46.1	46.1	45.7	46.4	48.4	.....	50.3
State loans.....	29.7	30.6	28.4	29.8	43.5	42.3	40.3
Social insurance funds.....	22.7	23.2	24.7	25.3	26.5	.....	28.3
Machine Tractor Station (MTS) revenue.....	.....	8.8	10.0	.....	.....	14.0	15.0
Taxes on enterprises and organizations..	10.0	.....	10.0	.....	10.0	.....	10.0
Collections and miscellaneous nontax income.....	.....	.....	.....	.....	.....	.....	.....
Customs and reparations.....	.....	.....	.....	.....	.....	.....	.....
Economies in administration.....	6.5	.....	3.9	.....	6.1	.....	.....
Other revenues.....	65.1	.....	83.6	.....	81.9	.....	70.3
Total real revenues.....	501.1	.....	533.5	.....	567.7	.....	592.7
Retail price reductions *	43.2	.....	15.7	.....	0	0	0
Raising agricultural prices *	0	0	23.3	.....	22.5	.....	0
Total stated revenues.....	544.3	539.8	572.5	558.6	590.2	561.5	592.7
Expenditures:							
Financing the National Economy.....	192.5	180.4	216.4	213.4	222.4	230.1	237.3
Industry.....	82.6	.....	92.3	.....	111.8	.....	110.0
Heavy industry.....	.....	.....	79.7	.....	101.2	90.0	100.9
Light industry.....	.....	.....	12.6	.....	10.6	.....	9.1
Agriculture.....	40.4	.....	51.5	.....	55.1	.....	48.6
Procurement.....	9.0	.....	11.0	.....	11.5	.....	.....
Trade.....	1.0	.....	1.6	.....	0.8	.....	0.6
Transport and communications.....	17.4	.....	21.5	.....	23.0	.....	21.8
Municipal economy.....	6.5	.....	7.5	.....	8.0	.....	10.5
Other expenditures.....	35.6	.....	31.0	.....	12.2	.....	45.8
Social-Cultural Measures.....	129.8	128.8	141.4	141.8	146.9	146.7	161.5
Education.....	62.1	61.1	67.2	66.2	68.4	68.3	72.8
Health and physical culture.....	24.8	24.2	29.3	28.9	30.5	30.3	35.1
Social welfare.....	42.9	43.5	44.9	46.7	48.0	48.1	53.6
Administration.....	14.3	14.3	13.9	13.9	12.6	12.5	12.5
Defense.....	110.2	105.0	100.3	.....	112.1	.....	102.5
Internal security.....	.....	.....	.....	.....	.....	.....	.....
Loan service.....	9.8	.....	10.5	10.2	12.2	12.2	14.0
Reserve funds, Councils of Ministers.....	.....	.....	.....	.....	.....	.....	.....
Allocations to special banks.....	.....	.....	.....	.....	.....	.....	.....
Other expenditures.....	30.7	.....	41.3	.....	34.8	.....	41.8
Total real expenditures.....	487.3	.....	523.8	.....	541.0	.....	569.6
Retail price reductions *	43.2	.....	15.7	.....	0	0	0
Raising agricultural prices *	0	.....	23.3	.....	22.5	.....	.....
Total stated expenditures.....	530.5	514.7	562.8	553.9	563.5	537.8	569.6
Budget Surplus.....	13.8	25.1	9.7	4.7	26.7	23.7	23.1

\* In 1953-1955, the Soviet budget included identical revenue and expenditure entries for Retail Price Reductions and Raising Agricultural Prices. Because these two entries represented essentially turnover taxes foregone and did not constitute either genuine revenue collections or genuine expenditures for resources, they have been deducted from total stated revenues and expenditures to obtain real revenues and expenditures.

## SECRET

## NATIONAL ACCOUNTS

Table 7  
ALBANIA: STATE BUDGET, 1953-56\*

Billions of Current Lek

	1953		1954		1955		1956
	Budget	Actual	Budget	Actual	Budget	Actual	Budget
Revenue:							
Socialist Sector:							
Turnover and Profits Tax....	6,243	6,300	7,374	7,077	8,128	.....	10,300
State Loan.....	502	502	.....	.....	455	.....	.....
Direct Taxes.....	1,135	1,130	969	1,040	1,022	.....	.....
Profits on Imports from Bloc...	.....	.....	1,575	1,664	2,400	.....	.....
Unspecified.....	.....	2,500	291	328	295	.....	.....
Total Revenue.....	11,350	10,539	10,209	10,109	12,300	12,729	14,300
Expenditure:							
National Economy.....	5,437	.....	3,860	3,519	4,575	.....	5,082
Agriculture.....	514	512	676	843	1,163	.....	1,014
Mining.....	.....	.....	720	.....	2,143	{	.....
Industry.....	.....	.....	.....	.....			.....
Social and Cultural.....	2,400	.....	2,000	1,993	2,352	.....	2,622
Defense.....	1,125	.....	1,100	.....	1,375	.....	1,104
Administration and Others.....	2,288	.....	2,940	.....	3,298	.....	.....
Total Expenditure.....	11,250	9,985	9,900	9,000	11,600	11,582	13,800
Budget Surplus.....	100	552	300	1,109	700	1,147	500

Note: The State Budget, which includes local budgets, is a channel for the financing of most investment expenditures and assistance to the State enterprises, military and administrative expenditures, and expenditures on State services (education, health, and the like). With few exceptions, consumer expenditures are not reflected in the budget. A portion of budget receipts and expenditures (debts, reserves, and the like) represent transfer payments through the budget and therefore do not reflect the value of production or incomes earned in the economy.

\* The values shown in these tables are in current prices. They do not indicate changes in terms of constant purchasing power.

Revenue: Income from the socialized economy where not specified usually includes turnover tax receipts and payments from enterprise profits into the budget.

Expenditure: Expenditures on the national economy other than investment are believed to include such items as State contributions to increased working capital, usually for new industries, and subsidies to enterprises. These are shown in detail for some Hungarian budgets.

Table 8  
BULGARIA: STATE BUDGET, 1953-56 \*

Millions of Current Leva

	1953		1954		1955		1956
	Budget	Actual	Budget	Actual	Budget	Provisional	Budget
Revenue:							
State Enterprises.....	13,131	.....	11,791	.....	13,257	13,200	14,577
Turnover Taxes and Others....	9,745	.....	8,967	.....	9,806	10,200	10,415
Profits Taxes.....	3,386	.....	2,824	.....	3,451	3,000	4,162
Income Taxes.....	1,250	.....	1,111	.....	1,146	1,100	1,182
State Loans.....	340	.....	400	.....	300	.....	.....
Unspecified.....	4,300	.....	4,926	.....	3,492	3,200	2,715
Total Revenue.....	19,021	17,882	18,227	17,101	18,195	17,500	18,474
Expenditure:							
National Economy.....	10,500	.....	9,461	.....	9,435	9,500	9,814
Investment.....	5,202	.....	<sup>b</sup> 3,746	.....	.....	.....	<sup>b</sup> 4,000
Social and Cultural.....	3,482	.....	3,629	.....	3,810	.....	4,016
National Defense.....	2,076	.....	1,934	.....	1,842	1,800	1,500
Administration.....	.....	.....	800	.....	727	700	.....
Loan Service, domestic.....	.....	.....	65	.....	.....	.....	113
Unspecified.....	1,644	.....	1,138	.....	1,506	.....	2,126
Total Expenditures.....	17,937	15,829	17,027	16,273	17,320	17,000	17,574
Budget Surplus.....	1,084	2,053	1,200	829	875	500	900

Note: See Albanian State Budget for general explanation of the budget.

\* All data from official sources.

<sup>b</sup> Approximate figure.

SECRET

5

## NATIONAL ACCOUNTS

## SECRET

Table 9  
CZECHOSLOVAKIA: STATE BUDGET \*

	1954-56		Millions of Current Crowns	
	1954 Budget	1955 Budget	Provisional	1956 Budget
Revenue:				
State Enterprises .....	65,293	73,128	.....	77,244
Turnover Taxes .....	46,536	44,935	44,500	47,800
Profits of Enterprises <sup>b</sup> .....	16,682	13,043	11,800	14,400
Unspecified .....	2,075	15,150	.....	15,044
Taxes, Duties and Charges from Population .....	10,165	10,256	.....	10,730
Other Income .....	12,344	2,825	.....	2,330
Total Revenue .....	87,802	86,209	81,300	90,304
Expenditure:				
National Economy <sup>a</sup> .....	48,518	43,865	40,800	48,092
Industry .....	13,500	14,112	.....	23,298
Heavy Industry .....	.....	.....	.....	16,235
Consumer Industries .....	.....	.....	.....	5,378
Agriculture <sup>d</sup> .....	6,381	7,952	7,400	8,773
Transportation .....	.....	.....	.....	6,096
Housing .....	4,250	.....	.....	.....
Other Expenditures .....	22,787	21,801	.....	9,925
Cultural and Social .....	27,382	28,276	27,100	28,779
Defense and Security .....	7,787	10,430	.....	9,606
Administration .....	3,737	3,469	.....	3,409
State Debts .....	148	0	0	0
Total Expenditures .....	87,572	86,040	79,100	89,887
Budget Surplus .....	230	169	2,200	416

Note: See Albanian State Budget for general explanation of the budget.

<sup>a</sup> All data are from official sources and are stated in "new" crowns stemming from the currency reform of 1953. Reports on the actual implementation of the budgets for 1954 and later have not yet been issued.

<sup>b</sup> This figure is net of working capital and capital investments by the enterprises out of their own funds.

<sup>c</sup> "Economic Investment" was reported to account for 20 billion crowns of the total expenditures in 1954, 20.8 billion crowns in 1955, and 27.7 billion crowns in 1956.

<sup>d</sup> Excluded from this item but included under "other expenditures" are the long-term credits allotted to agriculture in 1954 of 1.6 billion crowns, in 1955 of 1,034 million crowns and in 1956 of 2,885 million crowns.

SECRET

NATIONAL ACCOUNTS

Table 10

EAST GERMANY: STATE BUDGET, 1953-56<sup>a</sup>

Millions of DME

	1953 <sup>b</sup>	1954 <sup>b</sup>	1955 <sup>b</sup>	1955 <sup>b</sup>	1956 <sup>b</sup>
	Actual	Actual	Plan	Actual	Plan
Revenue:					
Taxes on Consumption.....	12,227.8	12,653.9	13,337.4	21,571	.....
Receipts from Nationalized Economy.....	8,707.6	9,754.7	9,017.4		
Taxes on Cooperatives.....	332.6	351.6	399.0	431	.....
Taxes on the Private Economy.....	2,148.6	2,225.2	2,521.3	2,446	2,736
Taxes on Private Income <sup>c</sup> .....	1,591.9	1,267.0	1,320.0	1,219	1,279
Taxes on Local Communities.....	808.9	818.4	834.3	.....	.....
Total.....	25,817.5	27,070.8	27,429.4	29,797	29,179
Social Insurance.....	5,393.6	5,747.5	5,956.3	5,900	5,706
State Reserves.....	174.2	228.1	0	0	.....
Other Receipts.....	2,718.4	2,434.9	3,296.1	.....	.....
Total Revenue.....	34,103.7	35,481.3	36,681.8	36,855	35,535
Expenditure:					
Nationalized Economy.....	4,049.1	4,409.4	2,805.6	.....	1,350
Investment.....	4,287.8	3,732.6	3,033.6	3,135	4,540
Material Reserves.....	169.0	0.8	128.7	.....	.....
Foreign Trade Subsidies.....	2,028.4	3,548.4	3,822.5	.....	3,090
Agricultural Subsidies.....	1,749.7	2,185.5	2,959.9	.....	3,765
Social and Cultural.....	4,310.2	4,778.4	4,967.9	10,842	5,598
Social Insurance.....	5,533.3	5,807.6	5,887.9	.....	5,713
Administration.....	2,636.2	2,665.8	2,689.7	2,600	2,700
Debt Redemption and Interest.....	137.1	126.3	350.5	.....	126
Reparations.....	1,470.1	0	0	0	0
Occupation Costs.....	1,950.0	1,600.0	1,600.0	.....	1,780
Other Expenditures <sup>b</sup> .....	5,761.3	6,549.2	8,406.7	.....	6,850
Total Expenditures.....	34,082.2	35,404.0	36,653.0	36,773	35,512
Budget Surplus.....	21.5	77.3	28.8	82	23

Note: See Albanian State Budget for general explanation of the budget.

<sup>a</sup> Double-counting resulting from transfers between local and central governments eliminated.

<sup>b</sup> Includes budget of East Berlin, 1953 to date.

<sup>c</sup> Includes for the sake of comparison with previous years a new tax (produktionsabgabe) on production which is collected from the factory, but which has replaced some of the taxes on consumption.

<sup>d</sup> Estimated.

<sup>e</sup> Taxes on wages, salaries, and professional incomes only.

<sup>f</sup> Not strictly comparable with previous years because of the increased use of enterprise funds for investment purposes.

<sup>g</sup> Including investment and subsidies to MTS.

<sup>h</sup> Includes among other things financing of uranium mining and defense expenditures. The amount of the latter was announced in Feb. 1956 as DME974.8 million. It was stated that this sum would not exceed 3 percent of the total expenditures for the year.

SECRET

7

## NATIONAL ACCOUNTS

## SECRET

Table 11  
HUNGARY: STATE BUDGET, 1953-56 \*

Millions of Current Forints

	1953		1954		1955		1956
	Revised Budget	Actual	Budget	Actual	Budget	Actual	Budget
Revenue:							
State Enterprises.....	39,945	34,652	37,797	.....	33,660	31,750	27,648
Turnover Taxes <sup>b</sup> .....	28,934	29,595	31,306	.....	28,860	27,300	22,322
Profits Payments.....	9,011	5,056	3,473	.....	4,800	4,450	5,326
Depreciation Payments.....			3,018	.....			
Taxes on Cooperatives.....	936	1,056	1,100	.....	1,200	5,385	5,850
Taxes on Private Persons.....	4,200	3,014	3,696	3,600	3,764		
State Loan Payments.....	1,700	1,655	850	.....	950	.....	9,860
Term Loan Repayments.....	355	178	148	570	200	.....	
Other Miscellaneous Revenue.....	4,999	6,366	6,093	.....	7,237	.....	9,860
Social Insurance Receipts.....	2,517	2,706	2,994	.....	.....	.....	.....
State MTS Receipts.....	514	472	1,026	.....	.....	.....	.....
Local Councils Receipts.....	560	372	393	.....	.....	.....	.....
Ministerial Receipts.....	.....	.....	.....	.....	.....	.....	.....
Unspecified.....	1,408	2,816	1,679	.....	.....	.....	.....
Total Revenue.....	50,155	46,921	49,684	45,287	47,011	44,874	43,358
Nonbudgetary Receipts.....	.....	.....	.....	.....	.....	.....	3,550
Comparable Totals.....	50,155	46,921	49,694	45,287	47,011	44,874	46,908
Expenditure:							
National Economy.....	29,268	26,857	28,312	.....	25,200	.....	22,458
Investments.....	20,092	16,645	13,616	.....	.....	.....	.....
Fixed Capital Investment.....	19,019	15,837	12,656	9,300	9,000	9,800	9,250
Supplementary Investment.....	573	498	500	.....	.....	.....	.....
Stockpiling.....	500	310	460	.....	.....	.....	.....
Other Economic.....	4,254	6,238	8,736	.....	.....	.....	.....
Working Capital of Enterprises.....	390	534	688	.....	1,400	.....	358
Subsidies to Enterprises.....	1,227	3,046	3,661	.....	.....	.....	.....
Social and Cultural Grants.....	365	414	647	.....	.....	.....	.....
Modernization.....	.....	.....	.....	.....	4,800	4,470	5,326
Economic Functions of Ministries....	1,441	1,447	2,445	.....	.....	.....	.....
Machine Tractor Stations.....	831	797	1,295	.....	1,190	.....	1,200
Financial.....	4,922	3,974	5,961	.....	.....	.....	.....
Medium- and Long-Term Loans.....	1,599	1,244	1,264	.....	.....	.....	.....
Loan Service, Foreign.....	781	781	784	.....	.....	.....	.....
Loan Service, Domestic.....	430	449	570	.....	.....	.....	.....
Reserves and Miscellaneous.....	2,112	1,500	3,343	.....	.....	.....	.....
Cultural.....	3,615	3,235	3,845	.....	3,458	3,502	11,507
Social.....	5,560	5,715	6,212	.....	6,965	7,203	
Defense and Security.....	6,333	6,283	5,430	.....	5,700	5,785	4,080
Law Enforcement.....	2,322	2,131	2,090	.....	2,100	.....	4,126
Administrative.....	1,986	2,078	2,002	.....	2,000	.....	
Unspecified.....	.....	.....	.....	.....	79	.....	.....
Total Expenditures.....	49,084	46,299	47,891	43,980	45,502	43,094	42,171
Nonbudgetary investment of State enterprises.....	.....	.....	.....	.....	.....	.....	3,550
Comparable Totals.....	49,084	46,299	47,891	43,980	45,502	43,094	45,721
Budget Surplus.....	1,071	622	1,793	1,307	1,509	1,780	1,187

Note: See Albanian State Budget for general explanation of the budget.

\* All data from official sources.

<sup>b</sup> Figure includes customs receipts which was estimated at 200 million forints at last report, in the 1952 budget.

SECRET

NATIONAL ACCOUNTS

Table 12

POLAND: STATE BUDGET, 1953-56 \*

Millions of Current Zlotys

	1953		1954		1955		1956 <sup>b</sup>
	Budget	Actual	Budget	Actual	Budget	Actual	Budget
Revenue:							
Income from the Socialized Economy...	76,501	74,321	87,690	86,348	92,002	.....	102,586
Taxes from the Nonsocialized Economy	10,053	5,809	5,845	5,639	6,176	.....	5,897
of which—							
Land Tax.....	.....	4,311	.....	4,002	.....	.....	.....
Taxes and Fees from the Population...	10,361	5,609	5,736	6,336	6,594	.....	7,203
of which—							
Tax on Salaries.....	.....	4,328	.....	4,988	.....	.....	.....
Loans and Investments.....	820	747	669	968	1,058	.....	1,234
Other Income.....	3,335	3,951	3,519	4,108	2,907	.....	3,485
Social Insurance.....	.....	11,227	11,892	12,568	13,253	.....	14,187
Transfers from Past Years.....	.....	1,228	.....	849	.....	.....	6,718
Total Revenue.....	101,069	102,892	115,351	116,817	121,991	123,943	141,310
Expenditure:							
National Economy.....	49,434	52,900	53,604	68,714	60,848	.....	73,559
Investment.....	27,951	.....	24,561	.....	23,922	.....	32,303
Current.....	21,482	.....	29,042	.....	36,925	.....	41,256
Social and Cultural.....	23,541	22,953	25,342	26,155	28,450	.....	32,412
Education, Training and Culture....	9,827	9,225	10,452	10,567	11,751	.....	12,240
Health.....	4,829	4,750	5,282	5,000	6,780	.....	6,976
Social Insurance and Aid.....	8,885	8,978	9,608	10,588	9,919	.....	13,196
National Defense.....	10,479	10,331	10,631	10,938	11,936	.....	12,001
Administration.....	9,838	9,661	9,981	10,126	10,203	.....	10,068
Administration.....	5,978	.....	6,223	.....	6,113	.....	4,974
Justice and Security.....	3,860	.....	3,757	.....	4,090	.....	5,094
State Debts.....	570	499	642	552	550	.....	773
Reserves.....	3,157	.....	3,282	.....	2,469	.....	3,265
Clearing Accounts from Past Years....	.....	.....	.....	.....	.....	.....	4,790
Total Expenditures.....	97,018	96,345	103,480	116,485	114,956	115,186	136,869
Budget Surplus.....	4,052	6,547	11,901	332	7,035	8,757	4,441

Note: See Albanian State Budget for general explanation of the budget.

\* All data from official sources.

<sup>b</sup> Because of the price reform of January 1, 1956, which raised prices of industrial goods considerably, total expenditures in the 1956 budget are about 9 percent higher in terms of 1956 prices than in 1955 prices. Investment expenditures are nearly 30 percent higher.

° Includes 500 million zlotys not distributed in the breakdown.

SECRET

9

## NATIONAL ACCOUNTS

## SECRET

Table 13

RUMANIA: STATE BUDGET, 1953-56 <sup>a</sup>

Millions of Current Lei

	1953		1954		1955		1956
	Budget	Actual	Budget	Provi- sional	Budget	Provi- sional	Budget
Revenue:							
Socialist Accumulations.....	23,347	.....	.....	.....	24,110	.....	.....
Turnover Tax.....	.....	15,100	16,857 <sup>b</sup>	21,800	.....	.....	17,308
Income Tax.....	3,117	<sup>c</sup> 3,000	3,145	.....	.....	.....	.....
Profits from State Enterprise.....	5,838	6,900	6,500	.....	.....	.....	7,852
Social Insurance.....	1,163	.....	1,583	.....	1,826	.....	.....
Local Units Income.....	1,559	.....	2,769	.....	3,720	.....	3,949
Income from Other Taxes and Sources.....	3,486	.....	.....	.....	.....	.....	1,188
Unspecified Revenue.....	.....	13,800	9,986	.....	14,749	.....	15,134
Total Revenue.....	38,510	38,782	40,838	41,413	44,405	44,248	45,431
Expenditure:							
National Economy.....	21,694 <sup>d</sup>	22,000	24,005	23,300	24,352	25,519	26,144
Capital Investment.....	13,857	13,600	10,470	10,500	9,091	9,258	.....
Other Economic Expenditures.....	7,837	8,600	13,535	12,800	15,261	16,261	.....
National Defense.....	6,766	<sup>e</sup> 6,900	4,316	4,300	4,477	.....	4,316
Social and Cultural.....	4,209	5,400	4,663	6,400	6,951	.....	7,693
Social Insurance.....	1,163	.....	1,583	.....	1,826	.....	.....
Local Units.....	4,249	.....	5,061	.....	5,997	.....	.....
State Administration.....	1,464	1,200	1,330	1,400	1,335	.....	1,329
Unspecified Expenditures.....	.....	.....	.....	1,000	.....	.....	4,949
Budget Reserve.....	.....	.....	2,451	2,500	.....	.....	.....
Total Gross Expenditure.....	39,545	.....	43,408	.....	44,939	.....	.....
Less Adjustment Due to Excess Counting.....	2,035	.....	4,070	.....	1,934	.....	.....
Total Net Expenditure.....	37,510	35,638	39,338 <sup>d</sup>	38,352	43,005	42,680	44,431
Budget Surplus.....	1,000	3,144	1,500	3,061	1,400	1,568	1,000

Note: See Albanian State Budget for general explanation of the budget.

<sup>a</sup> All data from official sources.<sup>b</sup> Turnover tax and profits tax.<sup>c</sup> Provisional.<sup>d</sup> As reported.<sup>e</sup> Defense and Reserve.



SECRET

NATIONAL ACCOUNTS

Table 14

## COMMUNIST CHINA: STATE BUDGET, 1950-56

Million Yuan

	1950	1951	1952	1953	1954	1955	1956
<b>Revenue:</b>							
Taxes.....	4,898	8,112	9,768	11,967	13,218	12,745	13,980
Profits of State Enterprises.....	870	3,054	5,728	7,669	9,962	11,194	14,328
Credits, Loans and Insurance.....	328	568	193	492	2,345	2,361	742
Other.....	424	1,233	1,870	1,634	712	903	681
Total.....	6,519	12,967	17,560	21,762	26,237	27,203	29,732
Surplus <sup>a</sup> .....					<sup>b</sup> 4,509	3,155	1,011
Total revenue.....					30,746	30,358	30,743
<b>Expenditures:</b>							
Economic Construction.....	1,735	3,511	7,626	8,645	12,358	13,762	16,055
Social, Cultural and Educational.....	755	1,344	2,280	3,361	3,461	3,189	3,916
Defense.....	2,827	5,061	4,371	5,679	5,814	6,500	6,112
Administrative.....	1,313	1,745	1,727	2,119	2,162	2,154	2,420
Other.....	177	242	782	1,685	838	3,742	2,220
Total.....	6,809	11,902	16,787	21,488	24,632	29,347	30,743
Budget Surplus or Deficit.....	-289	1,065	773	275	1,604	1,011	.....

<sup>a</sup> Carried over from previous year.

<sup>b</sup> The budget speech gives this figure as the surplus funds accumulated since 1949. The Chinese Communists in calculating surplus funds exclude certain of the expenditures shown here for 1951 and 1952 and add certain items to 1950 receipts. The 1955 budget speech states that roughly half of the surplus had been previously allocated and so only ¥3,155 million is carried over into the 1955 budget.

Table 15

SINO-SOVIET BLOC: BUDGETARY ALLOCATIONS TO DEFENSE <sup>a</sup>

	Unit of Measure	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
USSR.....	(Billion Rubles).....	23.2	73.6	66.3	66.3	79.2	82.8	93.9	108.6	105.0	100.3	112.1	102.5
China.....	(Billion Yuan).....						2.83	5.61	4.37	5.68	5.81	6.50	6.11
Albania.....	(Billion Leks).....					1.1	0.9	1.1	1.1	1.1	1.1	1.4	1.1
Bulgaria.....	(Billion Leva).....				9.6	11.9	12.9	20.6	1.6	2.1	1.9	1.8	1.5
Czechoslovakia..	(Billion Crowns).....				7.6	8.4	9.6	10.5	22.5	41.8	7.8	10.4	9.6
East Germany..	(Billion DME).....												1.0
Hungary.....	(Billion Forints).....				1.2	1.2	2.0	3.5	5.1	6.3	5.4	5.7	4.1
Poland.....	(Billion Zlotys).....				11.2	24.3	24.9	3.8	6.6	10.3	10.9	11.9	12.0
Rumania.....	(Billion Lei).....				26.2	37.8	51.8	67.8	5.0	6.8	4.3	4.5	4.3

<sup>a</sup> It will be noted that the series, as presented, reflect the various currency changes that occurred in the period 1948-55 and are not adjusted for comparability. The series were not carried back any further in time because of the changes in government and the concomitant effects on economic relationships. The figures cited are actual expenditures wherever possible; otherwise, they are planned allocations.

SECRET

11

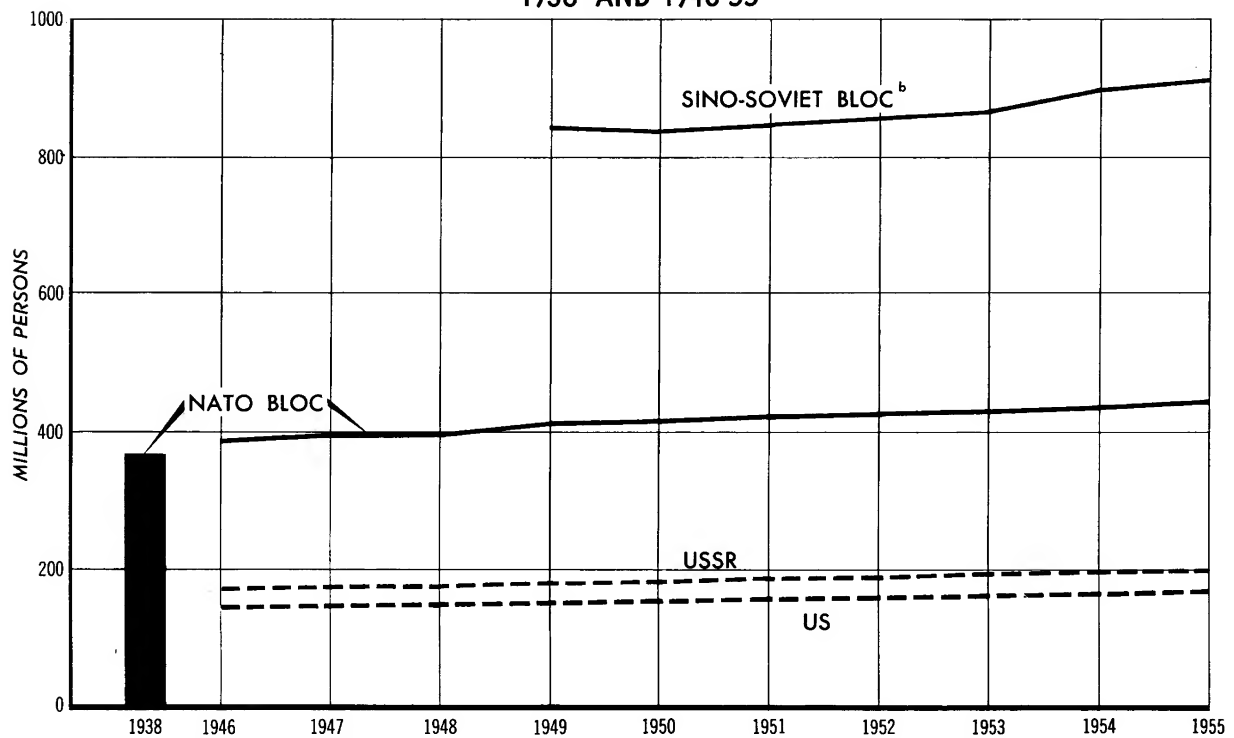
NATIONAL ACCOUNTS

SECRET

**SECRET**

Figure 1

**COMPARISON OF TOTAL POPULATION<sup>a</sup> IN SELECTED AREAS  
1938 AND 1946-55**



<sup>a</sup> Midyear, except USSR which is a 1 January figure.

<sup>b</sup> Includes estimates for North Korea and North Vietnam.

25690 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

## SECRET

## POPULATION

Table 16

## TOTAL POPULATION \*

Country	1938 and 1946-55										Million
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	369	386	392	398	411	417	422	427	432	437	443
US.....	130	141	144	147	149	152	154	157	160	162	165
Sino-Soviet Bloc.....					842	838	847	856	866	898	908
USSR <sup>c</sup> .....		170	172	175	178	180	183	186	190	193	196
European Satellites....	94.9			88.5	89.3	90.1	91.0	91.9	92.7	93.6	94.5
Albania.....	1.00	1.13	1.16	1.17	1.18	1.20	1.23	1.26	1.30	1.34	1.38
Bulgaria.....	6.67			7.10	7.17	7.25	7.25	7.28	7.37	7.47	7.57
Czechoslovakia.....	14.6			12.1	12.3	12.4	12.5	12.7	12.8	13.0	13.1
East Germany.....	16.5	18.5	18.8	19.1	19.0	18.8	18.7	18.6	18.4	18.2	18.0
Hungary.....	9.17			9.16	9.24	9.33	9.42	9.50	9.59	9.69	9.80
Poland.....	31.2	23.7	23.6	23.8	24.3	24.8	25.3	25.8	26.2	26.8	27.3
Rumania.....	15.7			16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4
China.....	544				566	568	573	578	583	590	597
North Korea.....					9.10					7.7	7.9
North Vietnam.....										14.1	13.0

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	8.82	8.87	Iceland.....	0.154	0.158	Portugal.....	8.69	8.77
Canada.....	15.2	15.6	Italy.....	47.8	48.0	Saar.....	0.983	0.992
Denmark.....	4.41	4.44	Luxembourg.....	0.306	0.309	Turkey.....	22.9	24.1
France.....	42.8	43.3	Netherlands.....	10.6	10.7	UK.....	50.8	51.0
Greece.....	7.90	7.97	Norway.....	3.39	3.42	West Germany...	49.5	50.0

## OTHER MAJOR COUNTRIES

Austria.....	6.97	6.97	Japan.....	88.0	88.9	Switzerland.....	4.92	5.00
Finland.....	4.19	4.24	Spain.....	28.8	29.0	West Berlin.....		2.20
India.....	377		Sweden.....	7.21	7.26	Yugoslavia.....	17.3	17.6
Indonesia.....	81.1	82.4						

\* Mid-year.

<sup>b</sup> Includes all NATO countries.<sup>c</sup> As of 1 January.

Table 17

## CIVILIAN LABOR FORCE \*

Country	1948-55							Million
	1948	1949	1950	1951	1952	1953	1954	
US <sup>b</sup> .....	61.4	62.1	63.1	62.9	63.0	63.8	64.5	66.6
Sino-Soviet Bloc.....	125	127	129	131	134	135	139	142
USSR.....	85.9	87.1	87.8	88.9	91.1	92.2	95.9	98.0
European Satellites....	39.1	40.0	41.0	41.8	42.4	43.0	43.5	44.0
Albania.....	0.525	0.525	0.525	0.525	0.527	0.530	0.534	0.541
Bulgaria.....	3.54	3.58	3.63	3.65	3.68	3.74	3.78	3.82
Czechoslovakia...	5.02	5.07	5.24	5.35	5.42	5.53	5.65	5.77
East Germany....	6.55	6.72	7.01	7.16	7.19	6.93	7.03	7.07
Hungary.....	3.64	3.73	3.82	3.89	3.99	4.11	4.16	4.20
Poland.....	11.5	11.6	11.8	11.9	12.2	12.6	12.8	13.1
Rumania.....	8.32	8.72	9.01	9.24	9.38	9.54	9.57	9.54
China.....					297	300	303	306

\* Annual average.

<sup>b</sup> As of 31 December. Includes unemployed.

SECRET

13

## POPULATION

## SECRET

Table 18  
AGRICULTURAL LABOR FORCE <sup>a</sup>

Country	1948-55							Million
	1948	1949	1950	1951	1952	1953	1954	1955
US <sup>b</sup> .....	7.97	8.03	7.51	7.05	6.81	6.56	6.50	5.88
Sino-Soviet Bloc.....	.....	.....	.....	.....	315	316	320	323
USSR.....	53.5	53.0	52.1	51.4	52.3	52.2	54.2	55.5
European Satellites.....	24.1	23.6	23.1	22.6	22.3	22.0	21.7	21.7
Albania.....	0.479	0.473	0.467	0.461	0.456	0.452	0.448	0.446
Bulgaria.....	2.79	2.80	2.81	2.81	2.81	2.81	2.81	2.84
Czechoslovakia....	1.96	1.96	1.95	1.87	1.80	1.73	1.72	1.79
East Germany....	2.20	2.17	2.13	2.08	1.92	1.67	1.60	1.55
Hungary.....	2.14	2.14	2.15	2.10	2.08	2.06	2.05	2.05
Poland.....	7.37	6.89	6.43	6.12	6.09	6.08	6.09	6.11
Rumania.....	7.12	7.14	7.15	7.16	7.17	7.16	7.01	6.90
China.....	.....	.....	.....	.....	240	242	244	246

<sup>a</sup> Annual average.<sup>b</sup> As of 31 December. Excludes unemployed persons.

Table 19  
NON-AGRICULTURAL LABOR FORCE <sup>a</sup>

Country	1948-55							Million
	1948	1949	1950	1951	1952	1953	1954	1955
US <sup>b</sup> .....	51.4	50.7	52.4	53.9	54.5	55.6	54.7	58.3
Sino-Soviet Bloc.....	.....	.....	.....	.....	116	119	122	124
USSR.....	32.4	34.1	35.7	37.5	38.8	40.0	41.7	42.5
European Satellites <sup>c</sup> .....	15.0	16.4	18.0	19.2	20.1	21.0	21.8	22.3
Albania.....	0.046	0.052	0.058	0.064	0.071	0.078	0.086	0.095
Bulgaria.....	0.750	0.780	0.820	0.840	0.870	0.930	0.970	0.980
Czechoslovakia....	3.06	3.11	3.29	3.48	3.62	3.80	3.93	3.98
East Germany....	4.35	4.55	4.88	5.08	5.27	5.26	5.43	5.52
Hungary.....	1.50	1.59	1.67	1.79	1.91	2.05	2.11	2.15
Poland.....	4.12	4.76	5.38	5.82	6.14	6.50	6.73	6.95
Rumania.....	1.20	1.58	1.86	2.08	2.21	2.38	2.56	2.64
China.....	.....	.....	.....	.....	57.0	57.7	58.5	59.5

<sup>a</sup> Annual average.<sup>b</sup> As of 31 December. Excludes unemployed persons.<sup>c</sup> Based primarily on workers and employees in the socialized sector.

SECRET

POPULATION

Table 20

AVERAGE ANNUAL NUMBER OF WORKERS AND EMPLOYEES BY BRANCHES OF THE SOVIET NATIONAL ECONOMY <sup>a</sup>

	Selected years, 1928-55						Thousand
	1928	1932	1937	1940	1945	1950	1955
Total in the national economy.....	10,790	22,601	26,744	31,192	27,263	38,895	48,358
Industry (industrial production personnel) <sup>b</sup> .....	3,773	8,000	10,112	10,967	9,508	14,144	17,362
Construction (construction and assembly work)...	723	2,289	1,576	1,563	1,515	2,569	3,172
Sovkhozes and subsidiary agricultural enterprises..	345	2,259	1,748	1,760	2,147	2,425	2,832
Machine tractor stations <sup>c</sup> .....		144	566	530	385	678	3,058
Railroad transport.....	971	1,297	1,512	1,752	1,841	2,068	2,301
Water transport.....	104	146	180	203	190	222	285
Motor vehicle and other transport, and loading and unloading operations.....	195	574	959	1,470	1,080	1,792	2,461
Communications.....	95	224	375	478	426	542	611
Trade, procurement, and material and technical supply.....	532	1,564	2,054	2,539	1,747	2,705	2,929
Public dining.....	55	633	471	784	715	659	856
Education (schools, educational institutions, scientific research institutions and cultural education institutions).....	789	1,402	2,323	2,930	2,551	3,752	4,582
Public health.....	399	669	1,127	1,507	1,419	2,051	2,627
Credit and insurance institutions.....	95	128	193	262	197	264	265
Apparatus of state and economic administrative organs and public organizations.....	1,010	1,650	1,488	1,825	1,645	1,831	1,361
Other branches (geological prospecting organizations, drilling, capital repairs, forestry, municipal housing, and others).....	1,704	1,622	2,060	2,622	1,897	3,193	3,656

<sup>a</sup> All figures are from an official source.<sup>b</sup> Data on industry includes subsidiary industrial enterprises in construction projects, which employed 700,000 persons in 1955.<sup>c</sup> Data on MTS in 1955 include tractor brigade workers who, as of October 1953, were transferred from kolkhozes to MTS in accordance with resolutions of the party and government.

SECRET

15

## POPULATION

## SECRET

Table 21

## POPULATION OF UNION REPUBLICS \*

	1940 and 1956	Million
	1940	April 1956
USSR.....	191.7	200.2
RSFSR.....	107.9	112.6
Ukrainian SSR.....	<sup>b</sup> 41.0	40.6
Belorussian SSR.....	9.2	8.0
Uzbek SSR.....	6.3	7.3
Kazakh SSR.....	6.2	8.5
Georgian SSR.....	3.6	4.0
Azerbaydzhan SSR.....	3.2	3.4
Lithuanian SSR.....	2.9	2.7
Moldavian SSR.....	2.5	2.7
Latvian SSR.....	1.9	2.0
Kirgiz SSR.....	1.5	1.9
Tadzhik SSR.....	1.5	1.8
Armenian SSR.....	1.3	1.6
Turkmen SSR.....	1.2	1.4
Estonian SSR.....	1.0	1.1
Karelo-Finnish SSR.....	0.5	0.6

\* All figures from official sources.

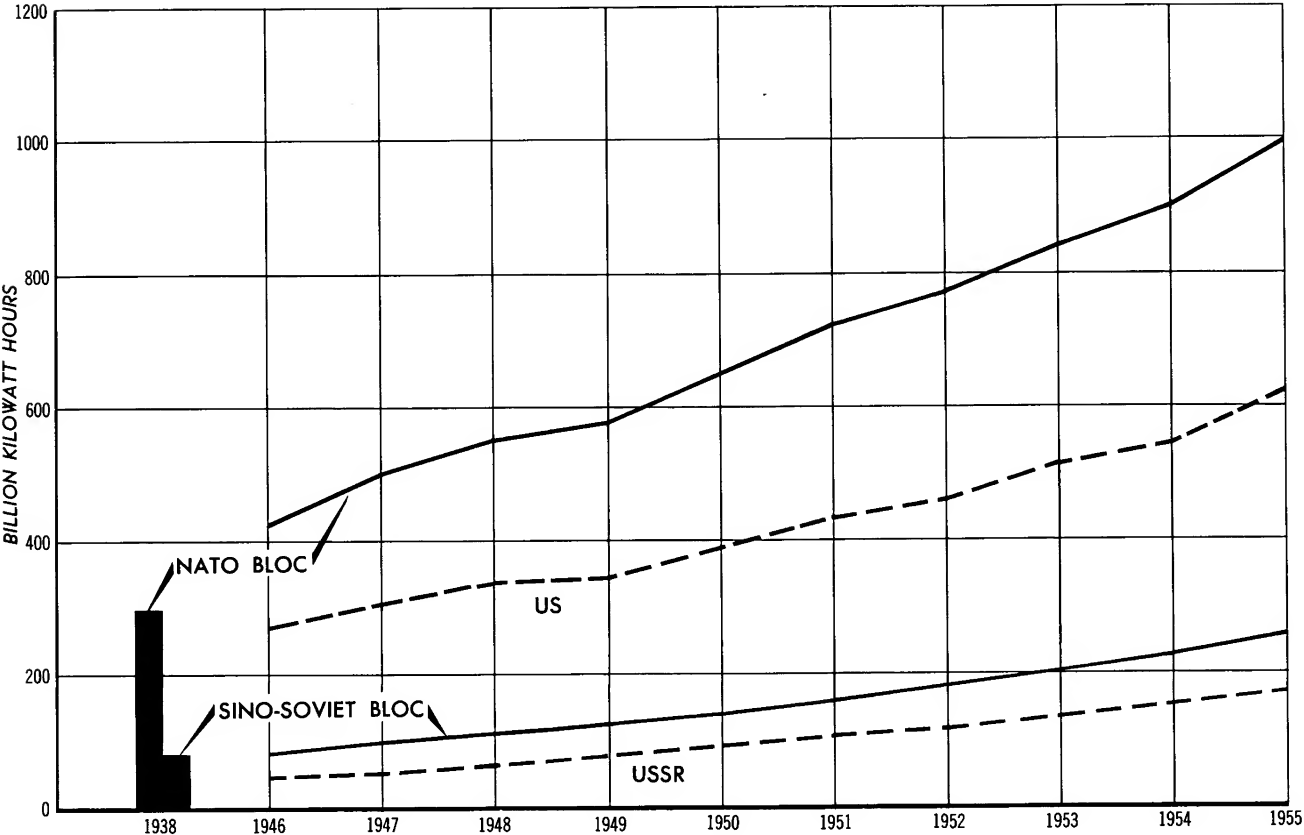
<sup>b</sup> Including Krymskaya Oblast.



**SECRET**

Figure 2

**COMPARISON OF PRODUCTION OF ELECTRIC POWER IN SELECTED AREAS  
1938 AND 1946-55**



25691 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

SECRET

ENERGY AND FUELS

Table 22  
PRODUCTION OF ELECTRIC POWER

Country	1938 and 1946-56							Billion Kilowatt Hours				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	295	429	507	555	580	650	725	774	843	902	998	.....
US <sup>b</sup> .....	142	270	307	337	345	389	433	463	514	545	625	.....
Sino-Soviet Bloc.	78.4	81.1	96.1	111	127	142	160	183	205	229	259	292
USSR.....	39.6	48.6	56.5	66.3	78.3	91.2	104.0	119.1	134.4	150.6	170.1	193
European Satel- lites.....	31.8	24.8	29.8	34.5	38.8	43.3	49.3	55.5	60.1	65.8	74.4	80.9
Albania.....	0.003	.....	.....	0.009	0.014	0.021	0.030	0.042	0.060	0.090	0.131	0.170
Bulgaria.....	0.232	0.437	0.489	0.548	0.663	0.780	1.02	1.35	1.60	1.80	2.10	2.40
Czechoslovakia	4.05	5.56	6.70	7.52	8.27	9.27	10.3	11.5	12.5	13.6	15.0	17.0
East Germany	18.0	11.1	13.3	15.4	17.3	18.9	21.4	23.5	24.3	26.0	28.7	31.0
Hungary.....	1.40	1.28	1.70	2.02	2.37	2.79	3.32	4.2	4.6	4.83	5.45	5.9
Poland.....	6.96	5.71	6.61	7.51	8.30	9.41	10.7	12.0	13.68	15.47	17.7	19.7
Rumania.....	1.15	0.70	1.00	1.50	1.90	2.17	2.53	2.90	3.40	4.00	4.30	4.70
China.....	4.5	3.8	4.2	4.3	4.2	4.5	5.7	7.2	9.1	10.8	12.3	14.0
North Korea..	2.5	3.93	5.59	6.13	5.93	3.0	0.8	0.9	1.0	2.0	3.0	4.3
North Vietnam	0.024	.....	.....	.....	0.058	0.074	0.098	0.115	0.136	.....	.....	.....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	10.6	11.2	Iceland.....	0.35	0.41	Portugal.....	1.6	1.9
Canada.....	74.0	76.3	Italy.....	35.6	37.3	Saar.....	1.9	2.3
Denmark.....	3.1	3.4	Luxembourg.....	0.99	1.10	Turkey.....	1.3	1.5
France.....	45.6	46.5	Netherlands.....	10.6	11.2	UK.....	81.0	80.1
Greece.....	1.2	1.4	Norway.....	21.6	22.3	West Germany.....	68.4	75.8

## OTHER MAJOR COUNTRIES

Argentina.....	5.38	5.75	India.....	7.52	8.48	Switzerland.....	13.2	15.2
Austria.....	9.85	10.4	Japan.....	59.6	56.4	Union of South		
Australia.....	14.5	16.1	Spain.....	10.5	12.4	Africa.....	14.6	16.4
Finland.....	5.69	6.74	Sweden.....	24.0	25.0	Yugoslavia.....	3.44	4.34
World Total <sup>c</sup> .....	1,200	1,340						

<sup>a</sup> Includes all NATO countries. The 1946 figure does not include West Germany, Greece, and the Saar. The data normally correspond to net production (that is, total production, less electricity consumed by the producing plants themselves) by both public utilities and auto-producers (private power stations producing power to supply a specific undertaking). The exceptions are Germany and the Netherlands in 1946-55, for which the data show gross production; and Canada, Denmark and the UK, for which the data cover only enterprises generating primarily for public use. Production by stations with installed capacity below a certain minimum, which varies by country, is also excluded.

<sup>b</sup> All US public supply statistics are reported on a net basis. That is, the data represent power available at the bus bar, and thus excludes station use and losses, however, they do include transmission and distribution losses. When used to compare with Soviet Bloc data, about 5 percent should be added, because as far as is known, Bloc production data is on a gross basis.

<sup>c</sup> Excludes the USSR and the China Mainland.

SECRET

17

18

ENERGY AND FUELS

Table 23  
PRODUCTION OF COAL \*

Country	1938 and 1946-56									Trillion British Thermal Units		
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	24,000	25,500	28,700	28,900	25,300	27,600	28,700	27,200	26,600	24,900	<sup>c</sup> 27,000	.....
US .....	10,200	15,400	17,900	17,000	12,500	14,500	15,000	13,200	12,700	10,900	<sup>d</sup> 12,900	.....
Sino-Soviet Bloc .....	7,970	7,250	8,250	9,290	10,500	11,500	12,600	13,600	14,400	15,700	17,400	18,600
USSR .....	3,290	3,720	4,220	4,790	5,410	5,970	6,470	6,900	7,290	7,900	8,920	9,770
European Satellites .....	3,740	3,040	3,440	3,900	4,180	4,460	4,800	5,080	5,370	5,660	6,020	5,900
Albania <sup>e</sup> .....	0.055	0.236	0.153	0.306	0.389	0.583	0.694	1.03	1.56	2.22	2.92	.....
Bulgaria .....	34.4	56.7	65.4	69.2	84.5	90.2	100	120	128	137	164	186
Czechoslovakia .....	694	709	813	874	906	960	989	1,110	1,130	1,240	1,310	1,370
East Germany .....	1,130	1,020	954	1,040	1,160	1,260	1,400	1,450	1,570	1,650	1,820	1,840
Hungary .....	125	85.0	118	143	158	177	204	250	281	288	300	.....
Poland .....	1,700	1,140	1,450	1,720	1,800	1,900	1,990	2,050	2,160	2,230	2,300	2,370
Rumania .....	53.1	36.2	41.8	57.3	69.7	72.3	85.0	95.1	99.7	105	116	134
China <sup>f</sup> .....	824	447	526	521	799	1,060	1,310	1,640	1,720	2,060	2,390	2,800
North Korea .....	56.0	27.0	60.6	79.4	81.9	4.10	6.30	6.30	14.7	43.6	72.7	85.7
North Vietnam <sup>g</sup> .....	60.4	6.71	6.71	9.03	9.80	12.9	16.2	24.8	21.9	25.0	19.6	25.1

\* Includes anthracite, bituminous and brown coals.

<sup>b</sup> Excludes Iceland.<sup>c</sup> Preliminary.<sup>d</sup> Includes a preliminary figure for hard coal.<sup>e</sup> Brown coal only.<sup>f</sup> Mostly hard coal.<sup>g</sup> Hard coal only. It is believed that most, if not all, the tonnages shown for Indochina for the years 1938-53 were produced from the same mines in North Vietnam which have been controlled and operated since 1954 by the Democratic Republic of Vietnam.

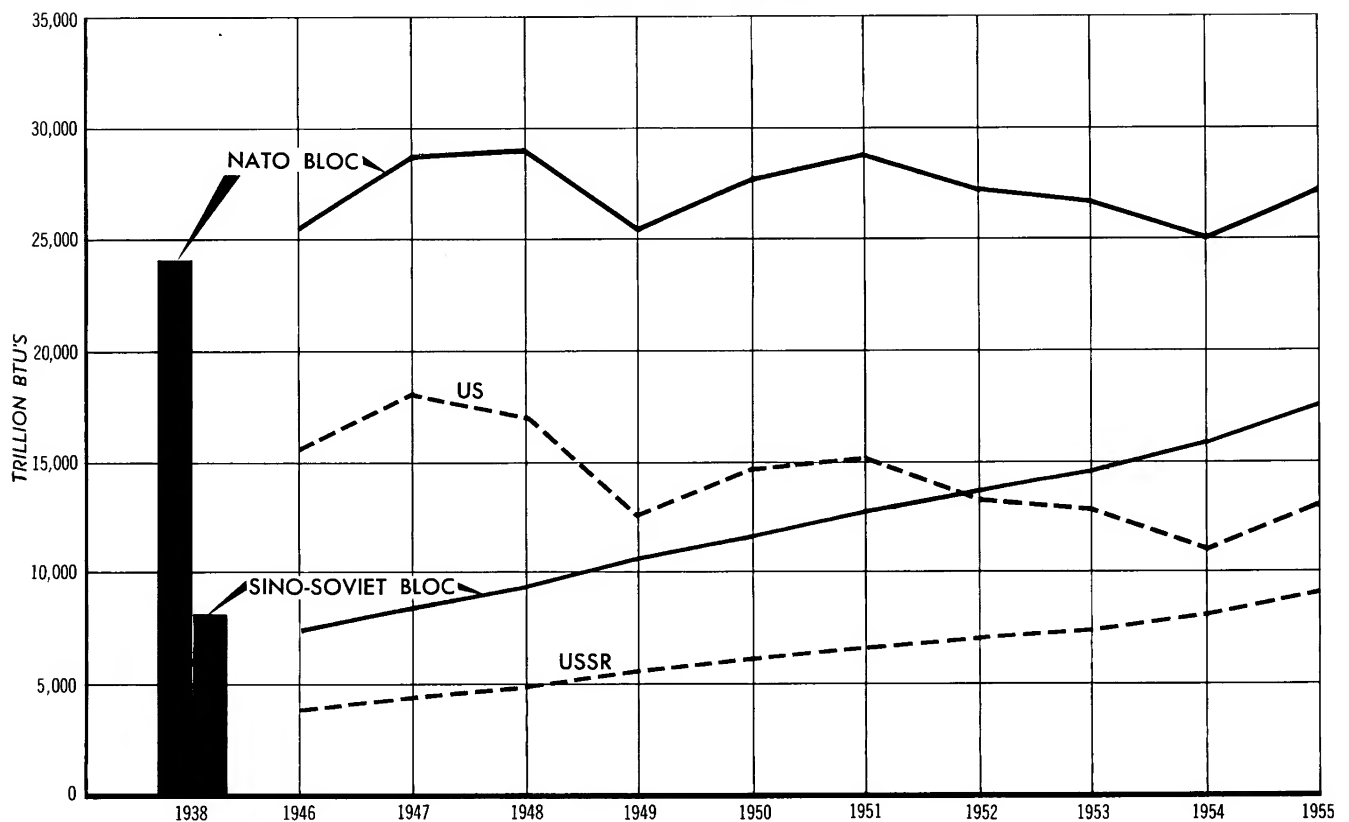
SECRET

SECRET

**SECRET**

Figure 3

**COMPARISON OF TOTAL PRODUCTION OF COAL IN SELECTED AREAS  
1938 AND 1946-55**



25692 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 24  
PRODUCTION OF HARD COAL \*  
1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	844,000	890,000	1,000,000	1,010,000	883,000	963,000	999,000	948,000	925,000	866,000	° 937,000	.....
US.....	355,000	537,000	621,000	593,000	433,000	505,000	520,000	458,000	440,000	378,000	° 448,000	.....
Sino-Soviet Bloc.....	240,000	198,000	234,000	265,000	299,000	329,000	360,000	390,000	407,000	445,000	496,000	536,000
USSR.....	114,800	114,300	132,200	150,000	169,100	185,200	202,400	215,000	224,300	243,700	276,100	300,000
European Satellites <sup>d</sup> .....	90,300	64,900	79,400	92,500	96,000	101,000	106,000	110,000	114,000	119,000	124,000	124,000
Bulgaria.....	145	93	120	130	140	151	164	190	213	228	298	.....
Czechoslovakia.....	15,836	14,168	16,216	17,745	17,043	18,466	18,326	20,300	20,341	21,561	23,200	23,600
East Germany.....	3,510	2,510	2,750	2,850	3,020	2,810	3,200	2,820	2,640	2,650	2,630	2,700
Hungary.....	1,040	722	1,060	1,240	1,380	1,400	1,620	1,720	1,990	2,435	2,690	.....
Poland.....	69,393	47,288	59,150	70,262	74,081	78,001	81,900	84,600	88,700	91,600	94,500	97,000
Rumania.....	330	167	163	280	340	370	435	485	535	565	620	640
China <sup>e</sup> .....	31,900	17,300	20,400	20,200	30,284	40,900	50,800	63,528	66,572	79,928	92,800	108,000
North Korea.....	1,130	700	1,600	2,100	2,100	1,070	170	170	400	1,200	2,100	2,500
North Vietnam <sup>f</sup> .....	2,340	260	260	350	380	500	630	960	850	970	760	975

## NATO COUNTRIES

	1954	1955 °		1954	1955 °		1954	1955 °
Belgium.....	29,200	30,000	Netherlands.....	12,100	11,900	Turkey.....	5,710	5,500
Canada.....	11,600	11,300	Norway.....	339	323	UK.....	228,000	225,000
France.....	54,400	55,300	Portugal.....	432	413	West Germany.....	129,000	131,000
Italy.....	1,060	1,140	Saar.....	16,800	17,300			

## OTHER MAJOR COUNTRIES

Australia.....	20,100	19,600	Spain.....	12,400	° 11,300	Union of South Africa.....	29,300	32,300
India.....	37,400	38,800	Taiwan.....	2,120	° 2,100	Yugoslavia.....	980	1,140
Japan.....	42,700	42,400						
World Total <sup>h</sup> .....	1,480,000							

\* Includes anthracite and bituminous coal.

<sup>b</sup> Excludes Denmark, Greece, Iceland, and Luxembourg.<sup>c</sup> Preliminary.<sup>d</sup> Albania has no production.<sup>e</sup> Includes lignite.<sup>f</sup> It is believed that most if not all the tonnages shown for Indochina for the years 1938-53 were produced from the same mines in North Vietnam which have been controlled and operated since 1954 by the Democratic Republic of Vietnam (Communist).<sup>g</sup> Eleven months only.<sup>h</sup> Estimate.

20

ENERGY AND FUELS

SECRET

Table 25  
PRODUCTION OF BROWN COAL  
1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup>	74,300	62,900	71,200	76,000	83,000	85,900	94,700	94,200	96,700	100,000	<sup>b</sup> 103,000	.....
US.....	2,720	2,420	2,610	2,800	2,800	3,060	2,990	2,740	2,590	2,520	2,720	.....
Sino-Soviet Bloc.....	174,000	192,000	194,000	216,000	243,000	267,000	289,000	313,000	341,000	364,000	400,000	404,000
USSR.....	18,500	49,800	51,000	53,200	66,400	75,900	79,500	85,900	96,100	103,400	114,900	130,000
European Satellites.....	154,000	142,000	142,000	156,000	175,000	190,000	209,000	226,000	244,000	259,000	283,000	272,000
Albania.....	4	17	11	22	28	42	50	74	113	160	210	.....
Bulgaria.....	1,940	3,420	3,930	4,150	5,10	5,440	6,060	7,220	7,740	8,280	9,870	11,700
Czechoslovakia.....	16,027	19,460	22,362	23,590	26,527	27,506	29,400	33,300	34,300	38,900	40,700	43,600
East Germany.....	120,000	110,000	102,000	111,000	124,000	137,050	151,248	158,502	172,750	181,900	201,400	203,000
Hungary.....	8,320	5,630	7,750	9,380	10,500	11,900	13,700	16,800	19,000	19,100	19,600	.....
Poland.....	5,800	1,452	4,800	5,000	4,600	4,800	4,900	5,100	5,600	5,900	6,000	6,900
Rumania.....	2,500	1,780	2,100	2,800	3,410	3,520	4,140	4,620	4,810	5,070	5,580	6,600
North China <sup>c</sup>												
North Korea.....	1,700	600	1,300	1,700	1,850	900	130	130	300	870	1,300	1,500

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Canada.....	1,920	2,090	Greece.....	803	900	Portugal.....	65	90
Denmark.....	684	804	Italy.....	638	416	Turkey.....	2,100	<sup>d</sup> 1,800
France.....	1,910	2,050	Netherlands.....	172	255	West Germany.....	89,500	92,200

## OTHER MAJOR COUNTRIES

Australia.....	9,480	10,300	Japan.....	1,440	1,370	New Zealand.....	1,810	1,780
Austria.....	6,280	6,620	Spain.....	1,760	<sup>e</sup> 1,670	Yugoslavia.....	12,700	14,000

<sup>a</sup> Excludes Belgium, Iceland, Luxembourg, Norway, and the Saar.<sup>b</sup> Preliminary.<sup>c</sup> The small amount produced is included with hard coal.<sup>d</sup> Beginning 1955 production of state-owned mines only. In 1954 this equalled about 80 percent of total production.<sup>e</sup> Eleven months' production.



Table 26  
PRODUCTION OF PEAT  
1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,480	2,790	.....
US <sup>b</sup> .....	.....	.....	.....	.....	.....	.....	176	191	185	222	248	.....
Sino-Soviet Bloc.....	27,400	27,500	31,800	34,200	37,200	37,400	41,500	39,500	41,300	48,000	53,800	56,900
USSR.....	26,300	27,000	31,200	33,600	36,300	38,000	39,800	37,200	38,600	45,100	51,000	54,000
European Satellites...	1,160	500	600	600	950	1,400	1,670	2,320	2,690	2,900	2,750	2,900
Czechoslovakia....	Negl	Negl	100	100	200	300	400	400	500	500	500	500
East Germany.....	° 150	.....	.....	.....	.....	195	163	268	337	350	.....	.....
Hungary.....	15	.....	.....	.....	.....	8	8	50	50	50	50	.....
Poland.....	1,000	500	500	500	750	900	1,100	1,600	1,800	2,000	2,200	2,400

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Denmark.....	545	712	Netherlands.....	450	450	West Germany.....	944	1,050
France.....	80	80	Norway.....	237	250			

## OTHER MAJOR COUNTRIES

Ireland.....	2,740	3,270	World Total.....	52,000	53,000
--------------	-------	-------	------------------	--------	--------

<sup>a</sup> The countries included are Denmark, France, the Netherlands, Norway, and West Germany.

<sup>b</sup> Agricultural use.

° 1936.

SECRET

SECRET

ENERGY AND FUELS

Table 27

## PRODUCTION OF COKE

1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	124,000	105,000	126,000	142,000	139,000	152,000	171,000	168,000	177,000	<sup>b</sup> 158,000	.....	.....
US <sup>a</sup> .....	29,500	53,800	67,200	68,400	58,100	66,100	72,100	62,000	71,700	54,400	.....	.....
Sino-Soviet Bloc.....	34,800	19,800	28,200	34,600	42,100	54,700	54,300	60,300	66,100	72,600	79,300	85,500
USSR <sup>d</sup> .....	20,500	13,600	15,400	18,900	22,400	30,000	30,800	34,000	37,200	41,100	44,600	49,000
European Satellites <sup>d</sup> .....	13,000	6,210	12,800	15,300	18,800	19,900	21,400	23,300	25,200	26,900	29,200	30,400
Bulgaria.....	4.0	6.3	8.0	9.0	8.0	10	10	15	21	25	25	20
Czechoslovakia.....	<sup>e</sup> 3,020	<sup>e</sup> 2,540	4,330	5,200	6,460	6,760	7,000	7,320	7,700	8,100	8,600	9,100
East Germany.....	4,230	.....	3,820	4,700	6,100	6,670	7,290	7,730	8,520	9,110	9,200	9,800
Hungary.....	306	.....	.....	180	225	260	.....	260	280	280	280	.....
Poland.....	5,330	3,610	4,560	5,180	5,880	6,100	6,700	7,800	8,400	9,100	10,700	11,500
Rumania.....	86	50	60	80	100	120	156	216	260	265	350	.....
China.....	1,330	.....	.....	228	700	1,350	2,040	2,980	3,750	4,680	5,400	6,100
North Korea.....	.....	.418	31.7	130	268	405	.....	.....	.....	.....	200	.....

## NATO COUNTRIES

	1954 <sup>b</sup>	1955		1954 <sup>b</sup>	1955		1954 <sup>b</sup>	1955
Belgium.....	6,170	6,610	Italy.....	3,650	3,920	Saar.....	3,700	4,050
Canada.....	2,920	.....	Luxembourg <sup>f</sup> .....	33	36	Turkey.....	650	.....
Denmark <sup>f</sup> .....	416	404	Netherlands.....	4,220	4,770	UK.....	30,800	31,300
France.....	10,700	.....	Norway <sup>f</sup> .....	62	.....	West Germany <sup>g</sup> .....	40,000	46,400
Greece <sup>f</sup> .....	31	.....	Portugal <sup>f</sup> .....	37	27			

## OTHER MAJOR COUNTRIES

Australia.....	3,180	.....	Japan.....	6,770	.....	Spain.....	1,470	.....
India.....	4,270	.....						
World Total.....	253,000	.....						

<sup>a</sup> Excludes Greece, Iceland, and Luxembourg. The 1938 figure includes all Germany. Greece and Luxembourg are included for the years 1950-54. During the years 1938, and 1946-49 the figures include coke oven coke and gas house coke except as follows: the Saar, Belgium, and the Netherlands include only coke oven coke, and Norway, Denmark and Portugal include only gas house coke. During the years 1950-54, the data include oven, beehive, and gas house coke, as well as low temperature or lignite coke for France, West Germany, the Saar, and Turkey.

<sup>b</sup> The figures for 1954 are estimated for West Germany, Greece, Norway, Portugal, and Turkey.

<sup>d</sup> Includes only hard coke larger than one-half inch in diameter.

<sup>e</sup> Includes coke oven coke, gas house coke, and brown coal coke. There is no coke production in Albania.

<sup>f</sup> Exclusive of brown coal coke.

<sup>g</sup> Gas house coke only. The figure for Norway also includes breeze.

<sup>h</sup> Includes electrode coke.

Table 28  
PRODUCTION OF METALLURGICAL COKE  
1938 and 1946-56

	1938 and 1946-56										Thousand Metric Tons		
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	
NATO <sup>a</sup> .....	105,000	91,300	113,000	125,000	121,000	132,000	148,000	146,000	155,000	136,000	.....	.....	
US <sup>b</sup> .....	29,500	53,100	66,600	67,900	57,700	66,000	72,000	61,900	71,500	54,100	.....	.....	
Sino-Soviet Bloc <sup>c</sup> .....	27,100	15,200	17,600	26,000	30,600	37,200	40,600	45,300	50,200	55,400	60,700	66,100	
USSR.....	20,300	13,500	15,300	18,700	22,200	<i>27,700</i>	30,400	33,500	36,600	<i>40,300</i>	<i>43,600</i>	47,800	
European Satellites.....	5,720	1,650	2,160	7,080	7,440	7,770	8,220	8,930	9,960	10,600	11,700	13,000	
Bulgaria.....	4.00	6.30	8.00	10.0	10.0	10.0	10.0	12.0	15.0	15.0	20.0	20.0	
Czechoslovakia.....	<sup>d</sup> 3,280	.....	.....	4,550	4,700	4,880	5,070	5,380	5,700	6,300	7,000	7,820	
East Germany.....	280	175	224	227	241	254	262	264	268	268	268	268	
Poland.....	<sup>d</sup> 2,100	1,420	1,850	2,200	2,400	2,540	2,700	3,100	3,800	3,800	4,200	4,600	
Rumania.....	55	50	80	90	90	90	180	180	180	180	230	300	
China.....	1,040	96	109	93	660	1,280	1,940	2,860	3,600	4,500	5,200	5,900	
North Korea.....	.....	0.418	31.7	130	268	405	.....	.....	.....	.....	200	.....	
NATO COUNTRIES													
	1953	1954				1953	1954				1953	1954	
Belgium.....	5,940	6,150	Italy.....			2,440	2,620	Turkey.....			611	633	
Canada.....	3,440	2,740	Netherlands.....			3,200	3,360	UK.....			17,800	18,100	
France.....	8,630	9,210	Saar.....			3,590	3,610	West Germany.....			37,800	35,000	
OTHER MAJOR COUNTRIES													
Australia.....	1,890	2,040	Japan.....			4,770	4,390	Union of South Africa.....			1,420	1,380	
Austria.....	1,220	1,350	Spain.....			1,170	1,220	Yugoslavia.....			296	404	
India.....	1,980	.....											

<sup>a</sup> Excludes Denmark, Greece, Iceland, Luxembourg, Norway, and Portugal. The 1938 total includes all Germany. Data include oven and beehive coke, but exclude breeze for the most part.

<sup>b</sup> Includes coke made in by-product coke ovens installed in gas works.

<sup>c</sup> No production in Albania, Hungary, and North Vietnam.

<sup>d</sup> 1937 figure.

SECRET

SECRET

ENERGY AND FUELS

Table 29

## PRODUCTION OF MANUFACTURED GAS \*

1938 and 1946-56

Million Cubic Meters

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup>	63,600	.....	66,700	81,700	80,200	84,800	90,200	87,000	90,100	84,800	<sup>c</sup> 80,300	.....
US	19,800	.....	37,900	37,900	33,300	36,100	35,800	29,200	32,200	26,000	<sup>c</sup> <sup>d</sup> 26,700	.....
Sino-Soviet Bloc	.....	.....	.....	12,300	13,800	16,600	18,700	20,600	22,400	24,500	.....	.....
USSR	.....	.....	.....	7,250	8,140	10,200	11,700	12,900	14,000	15,300	.....	.....
European Satellites	4,730	2,680	4,110	5,010	5,610	6,360	6,980	7,730	8,430	9,210	7,900	8,150
Czechoslovakia	<sup>e</sup> 1,420	1,100	1,560	2,060	2,190	2,280	2,300	2,500	2,750	3,000	3,200	3,400
East Germany	922	.....	604	809	1,050	1,400	1,710	1,770	1,940	2,120	.....	.....
Hungary <sup>f</sup>	126	.....	.....	.....	.....	162	197	232	264	306	330	.....
Poland	2,260	1,580	1,940	2,140	2,370	2,530	2,770	3,230	3,480	3,790	4,380	4,750

## NATO COUNTRIES

	1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>
Belgium	2,840	2,080	Iceland	0.30	.....	Portugal	56	58
Canada	1,980	<sup>e</sup> 1,410	Italy	2,060	2,140	Saar	1,520	1,640
Denmark	388	390	Luxembourg	20	21	UK	22,800	17,000
France <sup>b</sup>	6,170	5,940	Netherlands <sup>f</sup>	1,880	2,000	West Germany	19,100	20,900
Greece	18	.....	Norway	49	50			

## OTHER MAJOR COUNTRIES

Australia	1,200	1,230	Japan	2,130	2,350
-----------	-------	-------	-------	-------	-------

\* Figures refer to total production of manufactured gas by cokeries and gasworks. Blast furnace gas and oil refinery gases are excluded.

<sup>b</sup> Includes all NATO countries. The 1938 figure includes all Germany, and beginning in 1951, includes producer gas. The Netherlands figures are gas deliveries, including imported gas but excluding gas supplied to nitrogen fixation works. The figures for Denmark, Iceland, Greece, Luxembourg, Norway, and Portugal represent gas from gasworks only.

<sup>c</sup> Preliminary.

<sup>d</sup> Computed from the information that sales of 12,816 million cubic meters represented 48 percent of production.

<sup>e</sup> 1937.

<sup>f</sup> Town gas only, from municipal plants; also includes other blended gases.

<sup>g</sup> Computed from sales in the amount of 536 million cubic meters which represented 38 percent of production.

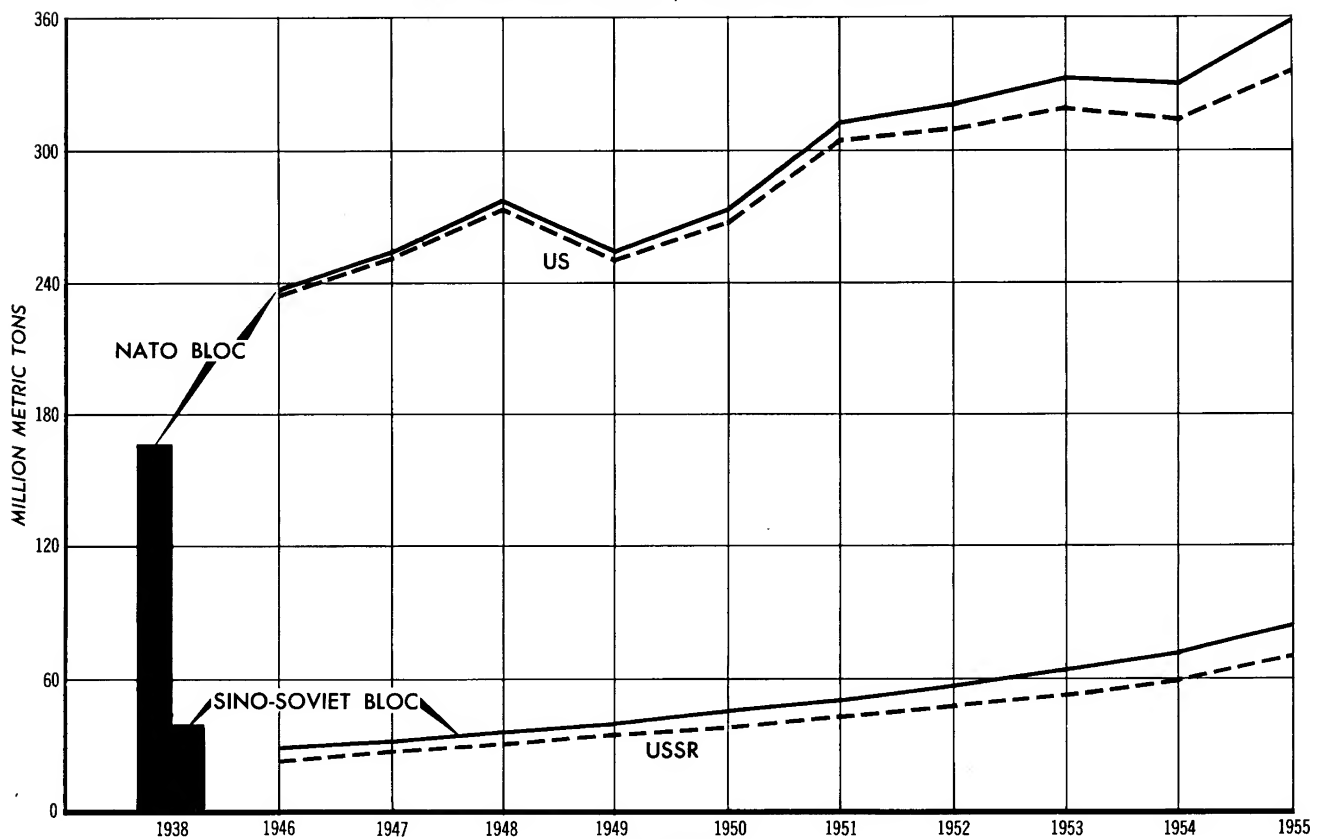
<sup>h</sup> Computed from the estimate that sales in amount of 2,592 million cubic meters represented 42 percent of production in 1954 and 2,496 represented the same percentage in 1955.

<sup>i</sup> Deliveries, including imported gas, but excluding gas supplied to nitrogen fixation works.

**SECRET**

Figure 4

**COMPARISON OF TOTAL PRODUCTION OF CRUDE PETROLEUM  
IN SELECTED AREAS, 1938 AND 1946-55**



25693 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 30  
PRODUCTION OF CRUDE PETROLEUM<sup>a</sup>  
1938 and 1946-56

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup>	166,000	236,000	253,000	276,000	253,000	273,000	313,000	321,000	333,000	330,000	359,000	.....
US	164,000	234,000	251,000	273,000	249,000	267,000	304,000	309,000	319,000	313,000	336,000	.....
Sino-Soviet Bloc <sup>c</sup>	37,400	27,000	30,700	34,200	38,800	44,000	49,600	56,600	63,600	71,400	84,500	94,100
USSR	30,200	21,700	26,000	29,200	33,400	37,900	42,300	47,300	52,800	59,300	70,800	80,000
European Satellites	7,190	5,240	4,660	4,960	5,350	5,990	7,100	9,080	10,500	11,600	13,200	13,500
Albania <sup>d</sup>	* 48	120	120	110	130	170	160	200	220	260	320	410
Bulgaria	0	0	0	0	0	0	0	0	0	.....	.....	.....
Czechoslovakia	19	29	35	30	60	63	74	110	120	120	130	140
East Germany	0	0	0	0	0	0	0	0	0	0	0.46	0.46
Hungary	0	670	570	480	510	500	490	560	830	1,200	1,600	1,800
Poland	* 510	120	130	140	153	155	176	210	190	180	180	180
Rumania	6,610	4,300	3,800	4,200	4,500	5,100	6,200	8,000	9,100	9,800	11,000	11,000
China <sup>f</sup>	3	67	53	62	80	110	160	210	320	440	530	620

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada	12,900	17,500	Netherlands	939	1,020	UK	161	.....
France	526	875	Turkey	59	* 91.9	West Germany	2,670	3,140
Italy	72.1	205						

OTHER MAJOR COUNTRIES<sup>b</sup>

Argentina	4,230	4,370	Indonesia	10,800	11,800	Peru	2,290	2,300
Austria	3,400	3,660	Iran	3,500	15,800	Qatar	4,780	5,450
Bahrein	1,500	1,500	Iraq	30,700	33,200	Sarawak	67	70
Brunet	4,830	5,250	Japan	300	319	Saudi Arabia	46,500	47,000
Burma	176	212	Kuwait	47,700	54,800	Trinidad	3,380	3,560
Colombia	5,530	5,500	Kuwait Neutral Zone	850	1,260	Venezuela	101,000	115,000
Egypt	2,200	1,820	Mexico	12,000	12,800	Yugoslavia	216	257
India	298	309	Pakistan	260	276			
World Total <sup>i</sup>	659,000	690,000						

<sup>a</sup> All figures exclusive of synthetic production.<sup>b</sup> Excludes Belgium, Denmark, Greece, Iceland, Luxembourg, Portugal, Norway, and the Saar. Specific gravity varies from 0.82-0.94. The figure for 1938 includes all Germany.<sup>c</sup> No production in North Korea and North Vietnam. No production in Bulgaria until 1954 and, since then, information is not available as to whether there was production or not.<sup>d</sup> Includes natural asphalt production.<sup>e</sup> 1936.<sup>f</sup> Synthetic crude oil production for China is as follows: 1949-40; 1950-90; 1951-140; 1952-220; 1953-300; 1954-350; and 1955-450.<sup>g</sup> Seven months total.<sup>h</sup> Specific gravity varies from 0.84-0.92.<sup>i</sup> Excludes China mainland.

26

ENERGY AND FUELS

Table 31  
PRODUCTION OF NATURAL GAS  
1938 and 1946-55

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	52,800	92,600	105,000	118,000	125,000	145,000	172,000	185,000	195,000	205,000	246,000
US.....	52,000	91,300	104,000	117,000	123,000	142,000	169,000	181,000	190,000	200,000	<sup>b</sup> 240,000
Sino-Soviet Bloc <sup>c</sup> .....	4,160	4,310	4,970	5,510	5,920	6,510	7,430	7,970	8,520	9,250	10,500
USSR.....	1,880	2,510	3,060	3,370	3,470	3,710	4,010	4,090	4,200	4,580	5,490
European Satellites.....	2,280	1,800	1,910	2,140	2,450	2,800	3,420	3,880	4,320	4,670	5,030
Bulgaria.....										Negl.	Negl.
Czechoslovakia.....	2.0	2.0	1.9	8.0	12	20	38	55	61	70	80
East Germany.....	0	0	0	0	0	0	0	6.3	6.3	6.3	6.3
Hungary.....	0	75	92	110	130	140	160	180	200	210	230
Poland.....	<sup>d</sup> 456	120	120	120	110	140	220	240	250	280	310
Rumania.....	1,820	1,600	1,700	1,900	2,200	2,500	3,000	3,400	3,800	4,100	4,400

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada.....	2,740	3,430	France.....	207	219	Italy.....	2,390	2,900
West Germany.....	120	.....						

## OTHER MAJOR COUNTRIES

Austria.....	60	599	Japan.....	113	124	Venezuela.....	1,870	2,200
Indonesia.....	1,260	1,530	Mexico.....	2,130	2,730	Yugoslavia.....	72	44

<sup>a</sup> Converted by multiplying million cubic meters by 0.8. The countries included are Canada, France, Italy, the US, and West Germany.

<sup>b</sup> The US figure derived on basis of 59 percent of total production.

<sup>c</sup> No production in Albania, North Korea, and North Vietnam.

<sup>d</sup> 1936.

SECRET

SECRET



Table 32  
PRODUCTION OF TOTAL PETROLEUM PRODUCTS \*

Country	1938 and 1946-55										Thousand Metric Tons
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	176,000	241,000	267,000	295,000	291,000	323,000	375,000	416,000	443,000	.....	.....
US <sup>c</sup> .....	158,000	235,000	252,000	278,000	266,000	287,000	324,000	333,000	349,000	.....	.....
Sino-Soviet Bloc <sup>d</sup> .....	32,800	23,800	27,200	31,000	35,400	40,000	45,800	52,800	58,500	65,000	76,300
USSR.....	24,300	18,800	22,500	25,600	29,100	23,800	36,800	41,200	45,300	50,300	60,200
European Satellites....	8,380	4,930	4,730	5,350	6,160	7,060	8,800	11,100	12,500	13,800	15,100
Albania.....	0	.....	.....	20	20	30	30	82	97	112	132
Bulgaria.....	† 23	0	0	0	0	0	0	0	0	0	Negl.
Czechoslovakia.....	† 283	.....	280	420	490	560	740	790	870	740	800
East Germany.....	.....	350	570	620	880	1,320	1,520	1,820	2,000	2,160	2,100
Hungary.....	† 193	620	470	500	600	510	700	910	1,070	1,440	1,700
Poland.....	.....	120	170	210	230	250	430	490	590	890	940
Rumania.....	† 7,890	3,840	3,240	3,580	3,940	4,390	5,380	6,970	7,870	8,500	9,390
China.....	111	74	65	65	103	170	256	503	707	852	1,060

## NATO COUNTRIES

	1954	1955 *		1954	1955 *		1954	1955 *
Belgium.....	3,510	3,900	Italy.....	15,000	15,100	UK.....	25,900	25,100
Canada.....	21,000	24,100	Netherlands.....	10,400	11,500	West Germany.....	8,410	9,300
France.....	21,800	21,800	Portugal.....	697	836			

## OTHER MAJOR COUNTRIES

Austria.....	1,290	1,150	Sweden.....	1,800	1,890
--------------	-------	-------	-------------	-------	-------

\* The data on this table are not intended to be the totals of the data in the following tables of individual petroleum products. This table includes minor miscellaneous products which are not included in any of the following tables.

<sup>b</sup> Total production less refineries' own consumption. Synthetic products or substitute fuels excluded. The countries included are—Belgium, Canada (1938, 1952-54), France, Italy, the Netherlands, Portugal, the UK, the US, and West Germany.

<sup>c</sup> Converted from barrels at 7.64 barrels per metric ton.

<sup>d</sup> No production in North Vietnam. Synthetic production included in the figures of the following countries: the USSR, Czechoslovakia, East Germany, Poland, and China.

\* 1937.

† 1936.

\* Yearly rate based upon January-June period except Canada for which the annual production is given.

SECRET

SECRET

ENERGY AND FUELS

27

Table 33

## PRODUCTION OF GASOLINE (MOTOR AND AVIATION)

1938 and 1946-55

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	67,700	85,000	93,000	104,000	111,000	120,000	136,000	154,000	169,000	172,000	* 181,000
US <sup>b</sup> .....	60,700	80,100	87,000	96,400	100,000	106,000	119,000	131,000	142,000	142,000	160,000
Sino-Soviet Bloc <sup>c</sup> .....	7,050	5,240	6,380	6,200	6,760	7,900	9,470	11,900	13,300	14,700	16,800
USSR.....	<sup>d</sup> 4,300	3,630	4,630	4,170	4,580	5,360	6,430	8,110	9,000	9,810	11,600
European Satellites.....	2,730	1,590	1,740	2,010	2,150	2,490	2,980	3,680	4,110	4,630	4,960
Albania.....	0	.....	.....	Negl	Negl	Negl	Negl	7	7	7	7
Bulgaria.....	6	0	0	0	0	0	0	0	0	0	Negl
Czechoslovakia.....	<sup>d</sup> 151	.....	140	180	170	190	220	230	250	260	280
East Germany.....	<sup>d</sup> 878	180	310	310	320	480	550	640	700	770	710
Hungary.....	77	210	160	200	200	200	220	240	270	340	400
Poland.....	<sup>d</sup> 88	50	70	80	90	100	120	140	150	300	300
Rumania.....	1,530	1,150	1,060	1,240	1,370	1,520	1,870	2,420	2,730	2,950	3,260
China.....	15	15	15	15	31	46	58	133	173	217	240

## NATO COUNTRIES

	1954	1955 <sup>a</sup>		1954	1955 <sup>a</sup>		1954	1955 <sup>a</sup>
Belgium.....	845	816	Italy.....	2,800	2,660	UK.....	7,180	6,960
Canada.....	8,170	.....	Netherlands.....	2,430	2,230	West Germany.....	2,590	2,680
France.....	5,310	4,950	Portugal.....	164	212			

## OTHER MAJOR COUNTRIES

Austria.....	146	138	Mexico.....	1,870	.....	Sweden.....	204	216
Bahrain.....	2,230	.....	Netherlands Antilles.....	5,230	.....	Venezuela.....	2,640	.....
Indonesia.....	2,470	.....	Saudi Arabia.....	1,490	.....	Yugoslavia.....	117	.....
Japan.....	1,450	.....	Spain.....	353	.....			
World total <sup>f</sup> .....	196,000							

<sup>a</sup> Motor spirit (gas), including aviation gas, used almost entirely as motor fuel, commonly called gasoline or petrol. The countries included are Belgium, Canada, France, Italy, the Netherlands, the UK, the US, and West Germany. The figure for 1938 includes all Germany.

<sup>b</sup> Jet fuel is excluded from January 1954 on.

<sup>c</sup> No production in North Vietnam. Synthetic production of gasoline is included in the figures of the USSR, Albania, Bulgaria, Czechoslovakia, East Germany, Poland, and China.

<sup>d</sup> 1936.

<sup>e</sup> Yearly rate based upon January-June period. Canada not included in total.

<sup>f</sup> Excluding the USSR, Eastern Europe, Austria, India, and China mainland.

Table 34  
PRODUCTION OF DIESEL FUEL  
1938 and 1946-55

	1938 and 1946-55										Thousand Metric Tons
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO *	2,091	1,190	1,820	3,510	5,270	7,740	11,200	13,500	15,700	17,700	<sup>b</sup> 19,100
Sino-Soviet Bloc *	3,100	1,550	1,790	2,240	2,760	3,940	5,470	7,060	9,270	12,600	15,900
USSR..... <sup>d</sup>	1,600	734	962	1,280	1,690	2,660	3,860	5,180	6,940	9,990	13,100
European Satellites.....	1,490	810	820	950	1,060	1,270	1,600	1,860	2,300	2,590	2,770
Albania.....	0	.....	.....	Negl	Negl	Negl	Negl	9	9	9	9
Bulgaria.....	4	0	0	0	0	0	0	0	0	0	Negl
Czechoslovakia.....	* 30	.....	70	110	120	150	200	220	220	200	220
East Germany.....	* 432	150	220	260	300	410	480	540	670	740	710
Hungary.....	79	100	90	80	90	100	140	190	260	350	410
Poland.....	* 89	30	30	40	40	40	80	90	120	190	200
Rumania.....	858	530	410	460	510	570	700	900	1,020	1,100	1,220
China.....	5	10	10	10	5	7	11	22	32	38	48

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Belgium.....	900	990	Netherlands.....	2,370	2,620	UK.....	4,260	4,450
France.....	4,540	4,860	Portugal.....	146	138	West Germany.....	2,320	2,700
Italy.....	3,160	3,360						

\* The countries included are Belgium, France, Italy, the Netherlands, Portugal, the UK, and West Germany.

<sup>b</sup> Yearly rate based on January-June period.

\* No production in North Vietnam. Synthetic production of diesel fuel included in figures for the USSR, Czechoslovakia, East Germany, Poland, and China.

<sup>d</sup> The figure for 1937 includes diesel fuel from natural crude oil only.

\* 1936.

SECRET

SECRET

ENERGY AND FUELS

Table 35  
PRODUCTION OF KEROSENE  
1938 and 1946-55

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	9,310	14,400	15,400	17,200	14,900	17,400	20,500	20,100	20,100	<sup>b</sup> 21,200	.....
US.....	8,320	13,400	14,200	15,700	13,000	15,300	17,500	16,600	15,900	<sup>b</sup> 15,800	<sup>b</sup> 15,300
Sino-Soviet Bloc <sup>d</sup> .....	7,570	5,480	6,520	7,690	8,850	9,470	9,860	9,980	12,000	12,600	16,100
USSR.....	<sup>e</sup> 6,130	4,760	5,920	7,050	8,170	8,710	8,840	8,660	10,600	10,900	14,200
European Satellites.....	1,440	710	590	630	670	750	1,000	1,270	1,390	1,560	1,760
Albania.....	0	.....	.....	Negl	Negl	Negl	Negl	4	4	4	4
Bulgaria.....	8	0	0	0	0	0	0	0	0	0	Negl
Czechoslovakia.....	<sup>f</sup> 73	.....	20	40	30	50	60	60	60	60	60
East Germany.....	<sup>f</sup> 56	.....	.....	.....	10	10	60	110	90	70	110
Hungary.....	71	120	100	90	80	80	100	110	100	140	170
Poland.....	<sup>f</sup> 146	20	30	40	40	40	80	90	120	190	200
Rumania.....	1,080	570	440	460	510	570	700	900	1,020	1,100	1,220
China.....	5	10	10	10	9	12	18	43	65	78	101

## NATO COUNTRIES

	1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>
Belgium.....	82.8	136	Italy.....	820	1,030	UK.....	796	876
Canada.....	1,420	1,580	Netherlands.....	512	639	West Germany.....	52	235
France.....	559	850	Portugal.....	15.9	118			

## OTHER MAJOR COUNTRIES

Bahrain.....	1,100	1,030	Netherlands Antilles....	2,650	2,800	Sweden.....	116	128
Indonesia.....	1,260	1,440	Saudi Arabia.....	977	1,090	Venezuela.....	610	726
Iraq.....	154	176	Spain.....	38	64	Yugoslavia.....	18.9	24.7
Japan.....	323	450						
World Total <sup>a</sup> .....	30,800	33,000						

<sup>a</sup> Kerosine for NATO countries is chiefly illuminating oil and power kerosine, including white gas, tractor blends, jet fuels, and the like. The countries included are Belgium, Canada, France, Italy, the Netherlands, Portugal, the UK, the US, and West Germany. The NATO total for 1938 includes all Germany for 1937. The Netherlands and Italy exclude quantities used at refineries or lost.

<sup>b</sup> Preliminary.

<sup>c</sup> Excluding jet fuel.

<sup>d</sup> No production in North Vietnam. Synthetic production of kerosine is included in the figures of the following countries: the USSR, Czechoslovakia, East Germany, Poland, and China.

<sup>e</sup> 1937.

<sup>f</sup> 1936.

<sup>g</sup> Excluding the USSR, Eastern Europe, Austria, India, and China mainland.

Table 36  
PRODUCTION OF LUBRICATING OILS  
1938 and 1946-55

	1938 and 1946-55								Thousand Metric Tons		
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO *	5,320	7,300	8,370	8,460	7,720	9,060	10,400	9,460	9,080	<sup>b</sup> 9,490	.....
US.....	4,410	6,530	7,410	7,360	6,500	7,400	8,800	7,960	7,520	<sup>b</sup> 7,620	<sup>b</sup> 7,860
Sino-Soviet Bloc *	2,140	1,390	1,680	1,880	2,140	2,400	2,720	3,090	3,440	3,730	4,360
USSR.....	<sup>d</sup> 1,700	1,240	1,470	1,630	1,850	2,070	2,300	2,560	2,830	3,120	3,700
European Satellites.....	435	150	210	240	290	330	410	512	582	582	622
Albania.....	0	0	0	Negl	Negl	Negl	Negl	2	2	2	2
Czechoslovakia.....	* 24	.....	50	50	90	70	100	130	160	110	120
East Germany.....	* 270	20	40	50	50	100	110	100	120	120	120
Hungary.....	14	.....	.....	10	10	10	20	40	40	60	70
Poland.....	* 62	20	40	30	30	30	40	50	50	60	60
Rumania.....	65	110	80	100	110	120	140	190	210	230	250
China.....	Negl	5	5	5	4	5	8	16	25	30	35

## NATO COUNTRIES

	1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>
Belgium.....	5	10	France.....	385	486	UK.....	372	598
Canada.....	292	273	Netherlands.....	33	37	West Germany.....	398	346
			Italy.....	71	125			

## OTHER MAJOR COUNTRIES

Japan.....	292	314	Venezuela.....	161	142	Yugoslavia.....	29.6	29.5
Sweden.....	17	21						
World Total <sup>f</sup> .....	9,900	10,400						

\* The countries included are Belgium, Canada, France, Italy, the Netherlands, the UK, the US, and West Germany.

<sup>b</sup> Provisional figures.

\* No production in Bulgaria, and North Vietnam. Synthetic production of lubricating oils is included in the figures for East Germany and China.

<sup>d</sup> The figure for 1937 includes lubricants from natural crude oil only.

<sup>e</sup> 1936.

<sup>f</sup> Excluding the USSR, Eastern Europe, Austria, India, and China mainland.

SECRET

SECRET

ENERGY AND FUELS

32

ENERGY AND FUELS

Table 37  
PRODUCTION OF RESIDUALS AND OTHERS

Country	1938 and 1946-55										Thousand Metric Tons
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	50,200	.....	.....	81,100	79,400	84,600	100,000	105,000	110,000	110,000	.....
US.....	44,500	.....	.....	70,400	64,200	64,200	70,900	68,600	68,000	62,900	64,700
Sino-Soviet Bloc <sup>b</sup> .....	13,700	10,200	10,900	12,300	14,100	15,500	17,300	19,300	18,800	20,100	21,700
USSR.....	<sup>c</sup> 10,600	8,480	9,470	10,700	12,100	13,200	14,300	15,400	14,300	15,200	16,100
European Satellites.....	3,080	1,700	1,390	1,510	1,890	2,220	2,810	3,650	4,120	4,480	4,950
Albania.....	0	.....	.....	20	20	30	30	60	75	90	110
Bulgaria.....	8	0	0	0	0	0	0	0	0	0	Negl
Czechoslovakia.....	<sup>d</sup> 5	.....	.....	40	80	100	160	150	180	110	120
East Germany.....	<sup>d</sup> 615	.....	.....	.....	200	320	320	430	420	460	450
Hungary.....	3	200	120	120	120	120	220	330	400	550	650
Poland.....	<sup>d</sup> 65	10	10	20	30	40	110	120	150	150	180
Rumania.....	2,380	1,490	1,260	1,310	1,440	1,610	1,970	2,560	2,890	3,120	3,440
China.....	80	35	35	30	54	100	161	289	412	489	635

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	1,340	1,510	Italy.....	5,800	7,220	UK.....	12,800	13,500
Canada.....	5,180	5,440	Netherlands <sup>e</sup> .....	5,430	6,600	West Germany.....	958	1,610
France.....	10,600	10,800	Portugal.....	48.3	302			

## OTHER MAJOR COUNTRIES

Argentina.....	3,160	3,510	Japan.....	2,300	2,820	Saudi Arabia.....	4,990	5,470
Bahrein.....	1,630	1,840	Kuwait.....	1,170	1,180	Spain.....	775	945
Colombia.....	1,210	946	Mexico.....	5,920	6,850	Venezuela.....	13,100	14,000
Egypt.....	1,690	1,510	Netherlands Antilles.....	24,400	25,000	Yugoslavia.....	196	233
Indonesia.....	3,240	3,510						
World Total.....	185,000	187,000						

<sup>a</sup> The countries included are Belgium, Canada, France, Italy, Portugal, the UK, the US, and West Germany. NATO figures include all Germany for 1938. The figures for the Netherlands for all years and for West Germany for 1938 include distillate fuel oils. Italy and the Netherlands exclude quantities used at refineries and lost. The UK includes fuel consumed at refineries. Road oil is excluded.

<sup>b</sup> No production in North Vietnam. Synthetic production of residual and others is included in the figures for the USSR, East Germany, and China.

<sup>c</sup> 1937; residuals and others from natural gas only.

<sup>d</sup> 1936.

<sup>e</sup> Includes distillate fuel oils.

<sup>f</sup> Excluding the USSR, Eastern Europe, Austria, India and China mainland.

SECRET

SECRET

SECRET

ENERGY AND FUELS

Table 38

## PRODUCTION OF SYNTHETIC OIL PRODUCTS

Country	1938 and 1946-55						Thousand Metric Tons				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO.....											
US.....		290							50		
Sino-Soviet Bloc <sup>a</sup> .....	7,710	533	1,000	1,120	1,460	1,890	2,090	2,570	2,790	3,120	
USSR.....		146	163	198	227	250	320	390	455	518	
European Satellites.....	665	370	825	914	1,190	1,560	1,660	1,990	2,080	2,300	2,270
Czechoslovakia <sup>b</sup> .....	0		230	264	280	297	338	365	393	421	449
East Germany.....	655	<sup>c</sup> 350	<sup>c</sup> 570	<sup>c</sup> 620	880	1,220	1,270	1,570	1,570	1,580	1,510
Poland <sup>b</sup> .....	0	20	25	30	34	45	47	58	118	303	308
China.....	106	17.0	17.0	12.7	34.0	77.0	119	189	252	295	381

<sup>a</sup> No production in Albania, Bulgaria, Hungary, Rumania, and North Vietnam.<sup>b</sup> Includes benzol used in blending of motor gasoline.<sup>c</sup> Incomplete.

Table 39

MILITARY CONSUMPTION OF PETROLEUM PRODUCTS IN THE SINO-SOVIET BLOC<sup>a</sup>

	1950-55				Thousand Metric Tons	
	1950	1951	1952	1953	1954	1955
USSR:						
Total Consumption by Civil Aviation.....	402	403	411	477	488	544
Total Consumption by Air Force....	847	1,160	1,560	2,330	2,850	3,200
Total Consumption by Navy.....	1,540	1,720	2,170	2,380	2,680	2,940
Total Consumption by Ground Forces <sup>b</sup> .....	600	600	600	600	651	651
Total Consumption by Military Forces Within USSR.....	3,390	3,880	4,740	5,790	6,670	7,330
Total Consumption by Air (military) outside USSR.....	81	128	254	302	253	257
Total Consumption by Ground Forces outside USSR.....	149	149	149	149	162	162
Total Consumption of Pet. Prod. by Military Outside USSR.....	230	276	403	451	415	420
Albania:						
Total Consumption by Air Force....	0	0	0.2	0.4	0.2	0.4
Total Consumption by Navy.....	1.5	1.5	1.5	1.5	1.5	1.5
Total Consumption by Ground Forces.....	5.8	6.1	6.5	6.6	6.9	7.1
Total Consumption by Military Forces.....	7.3	7.6	8.2	8.5	8.6	9.0
Bulgaria:						
Total Consumption by Civil Aviation.....	1.9	2.4	2.8	2.2	2.0	2.0
Total Consumption by Air Force....	5.6	18.9	24.0	36.1	38.3	42.5
Total Consumption by Navy.....	10.1	10.1	10.1	10.3	10.3	10.3
Total Consumption by Ground Forces.....	22.0	31.1	35.0	38.9	38.9	37.6
Total Consumption by Military Forces.....	39.6	62.5	71.9	87.5	89.5	92.4
Czechoslovakia:						
Total Consumption by Civil Aviation.....	9.9	9.9	8.2	8.2	8.2	8.2
Total Consumption by Air Force....	11.9	19.4	26.8	62.0	84.6	96.8
Total Consumption by Ground Force.....	28.9	34.7	41.1	44.2	47.4	52.2

See footnotes at end of table.

SECRET

33

## ENERGY AND FUELS

## SECRET

Table 39 (Continued)

	1950	1951	1952	1953	1954	1955
Czechoslovakia (Continued):						
Total Consumption by Military Force.....	50.7	64.0	76.1	144	140	157
East Germany:						
Total Consumption by Air Force....	0	0	0	1.4	2.4	2.4
Total Consumption by Navy.....	3.0	7.2	13.7	14.8	29.3	33.6
Total Consumption by Ground Force.....	6.0	7.7	8.5	23.0	25.1	29.5
Total Consumption by Military Force.....	9.0	14.9	22.2	39.2	56.8	65.5
Hungary:						
Total Consumption by Civil Aviation.....	2.2	2.2	2.2	2.2	2.2	2.2
Total Consumption by Air Force....	3.9	9.4	15.7	29.1	41.9	42.5
Total Consumption by Ground Force.....	9.3	18.1	28.7	31.8	32.9	35.2
Total Consumption by Military Force.....	15.4	29.7	46.6	63.1	77.0	79.9
Poland:						
Total Consumption by Civil Aviation.....	4.3	4.3	4.3	4.3	4.3	4.3
Total Consumption by Air Force....	12.7	25.7	30.1	71.6	93.2	99.4
Total Consumption by Navy.....	30.2	24.3	35.3	35.4	35.6	39.8
Total Consumption by Ground Force.....	45.5	48.3	53.2	53.2	55.1	57.0
Total Consumption by Military Force.....	92.7	103	123	164	188	200
Rumania:						
Total Consumption by Civil Aviation.....	4.7	4.7	3.2	3.2	3.2	3.2
Total Consumption by Air Force....	10.1	13.8	16.9	27.7	35.3	38.0
Total Consumption by Navy.....	17.7	17.7	25.0	25.5	25.5	26.1
Total Consumption by Ground Force.....	31.9	34.3	35.7	44.1	45.2	46.5
Total Consumption by Military Force.....	64.4	70.5	80.8	100	109	114
China:						
Total Consumption by Civil Aviation.....	10.1	13.3	13.3	13.3	9.0	9.0
Total Consumption by Air Force....	3.5	99.5	138	208	211	228
Total Consumption by Navy.....	91.8	129	191	230	262	294
Total Consumption by Ground Force.....	13.8	22.9	17.8	26.6	26.7	45.3
Total Consumption by Military Force within China.....	119	265	360	478	509	576
Total Consumption by Ground Force Outside of China.....	6.8	22.2	37.6	41.8	51.3	55.3
North Korea:						
Total Consumption by Air Force....	0	0	0	36.1	41.5	46.7
Total Consumption by Navy....	5.1	5.3	5.5	5.9	5.9	5.9
Total Consumption by Ground Force.....	15.6	20.8	22.5	22.6	27.3	32.6
Total Consumption by Military Force.....	20.6	26.1	28.0	64.6	74.7	85.2
North Vietnam:						
Total Consumption by Military Force.....	0	0.8	1.2	2.4	4.8	6.9

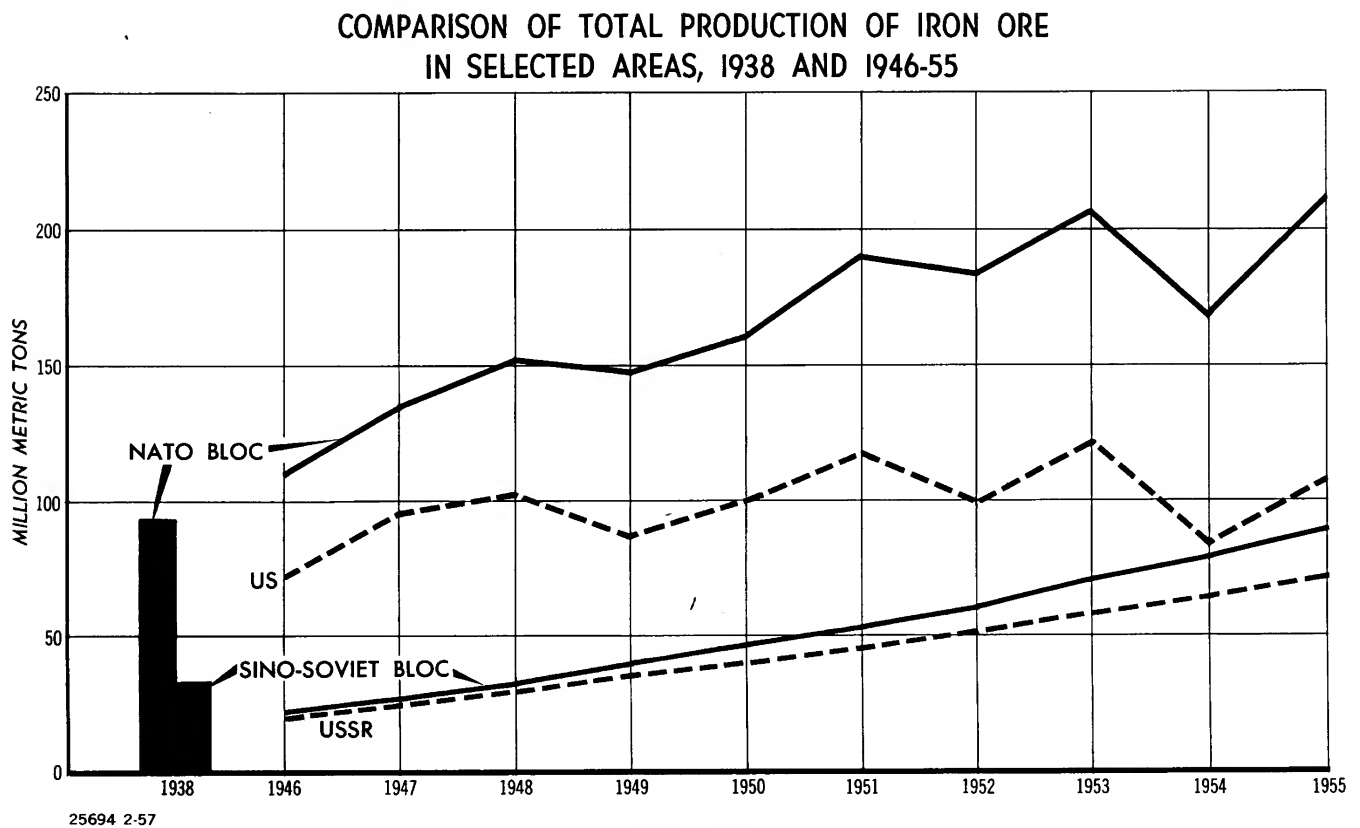
\* Consumption by military forces, including civil aviation, is approximately ten percent of total consumption.

<sup>b</sup> Includes estimated consumption of petroleum products by the Soviet militarized security forces of the MVD.



**SECRET**

Figure 5



**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 40  
PRODUCTION OF IRON ORE \*

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Nato <sup>b</sup> .....	92,600	109,000	134,000	151,000	147,000	160,000	190,000	183,000	206,000	168,000	211,000	.....
US <sup>c</sup> .....	28,900	72,000	94,600	102,000	86,300	99,600	118,000	99,000	121,000	83,500	107,000	.....
Sino-Soviet Bloc <sup>d</sup> .....	33,100	22,000	26,700	32,400	39,400	46,200	53,300	61,000	70,400	79,100	90,400	98,100
USSR.....	26,500	20,300	24,400	29,200	35,000	39,700	46,000	52,000	58,000	64,300	71,900	80,400
European Satellites.....	3,270	1,680	2,250	2,660	3,090	3,640	4,100	4,920	6,170	6,360	7,380	8,490
Bulgaria.....	17	.....	.....	16	20	40	40	52	64	77	92	140
Czechoslovakia.....	1,650	1,120	1,360	1,300	1,540	1,660	1,800	2,100	2,300	2,300	2,490	3,080
East Germany.....	300	.....	.....	250	300	388	490	772	1,360	1,470	1,650	1,800
Hungary.....	297	138	229	277	318	370	375	380	410	390	415	465
Poland.....	872	424	540	640	700	790	900	1,030	1,340	1,610	2,130	2,280
Rumania.....	139	.....	115	176	220	392	495	594	695	510	600	720
China.....	3,280	15.1	18.1	247	868	2,080	3,160	4,060	6,230	8,410	10,600	12,800
North Korea.....	.....	Negl	Negl	215	400	820	Negl	Negl	Negl	140	480	• 820

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	80	110	Italy.....	1,100	1,400	Turkey <sup>b</sup> .....	550	430
Canada <sup>c</sup> .....	6,200	14,900	Luxembourg.....	5,900	7,200	UK.....	15,800	16,500
France.....	43,800	50,300	Norway <sup>d</sup> .....	1,200	1,400	West Germany.....	9,700	11,400
Greece.....	10	.....	Portugal.....	110	170			

## OTHER MAJOR COUNTRIES

Algeria.....	2,930	3,600	Malaya.....	1,230	1,490	Spain.....	3,410	3,890
Austria.....	2,720	2,840	Mexico.....	314	403	Sweden.....	15,300	17,400
Brazil.....	1,680	2,560	Morocco (French).....	335	310	Tunisia.....	949	1,140
Chile.....	2,200	1,520	Peru.....	1,930	1,760	Union of South Africa.....	1,900	2,000
India.....	4,000	4,320	Philippines.....	1,420	1,430	Venezuela.....	5,420	8,300
Japan.....	1,630	1,520	Sierra Leone <sup>e</sup> .....	888	1,020	Yugoslavia.....	1,110	1,400
World Total <sup>f</sup> .....	225,000							

\* Metal content of ore in the NATO countries and China are, as follows: the US, 50 percent; Canada, 55 percent; the UK, 30 percent; France, 34 percent; Belgium and Luxembourg, 28 percent; Italy, 50 percent; Norway, 65 percent; West Germany, 27 percent; Turkey, 50 percent; Greece, 48 percent; China believed to be approximately 50 percent. Other major producers: Algeria, 52 percent; Austria, 32 percent; Brazil, 68 percent; Chile, 64 percent; India, 64 percent; Japan, 54 percent; Malaya, 50 percent; Mexico, 68 percent; French Morocco, 45 percent; Peru, 60 percent; Philippines, 50 percent; Sierra Leone, 60 percent; Spain, 44 percent; Sweden, 60 percent; Tunisia, 54 percent; Union of South Africa, 61 percent; Venezuela, 64 percent; Yugoslavia, 45 percent. Data refers to the gross amount of marketable iron ores in state in which they leave the mines, including manganiferous ores but excluding pyrites.

<sup>b</sup> The countries included are the US, Canada, the UK, France, Belgium, Italy, Norway, Luxembourg, and West Germany, Turkey, Greece (1938, 1950-54), Portugal (1938, 1951-55).

<sup>c</sup> Excluding manganiferous iron ores containing 5 percent or more of manganese. <sup>d</sup> No production in Albania. <sup>e</sup> Plan figure. <sup>f</sup> Includes ferro-titanium.

\* Shipments. The iron content of production in Canada during 1939 was used instead of 1938 production in the NATO total.

<sup>h</sup> Production by state owned mines only. <sup>i</sup> Exports. <sup>j</sup> Nine month total. <sup>k</sup> Excluding USSR and China.

## MINERALS AND METALS

## SECRET

Table 41  
PRODUCTION OF MANGANESE ORE <sup>a</sup>

Country	1938 and 1946-55						Thousand Metric Tons				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....		146	153	153	164	157	199	283	283	321	.....
US <sup>c</sup> .....		130	119	119	114	122	95.3	105	143	192	.....
Sino-Soviet Bloc.....	2,740	1,820	2,100	2,590	3,360	3,890	4,640	4,840	5,150	5,700	6,620
USSR.....	2,560	1,810	2,080	2,300	3,080	3,480	4,160	4,230	4,490	4,850	5,600
European Satellites <sup>d</sup> .....	176	.....	.....	269	264	341	392	482	528	679	825
Bulgaria.....	<sup>e</sup> 2.0	.....	.....	8.0	9.0	11.0	12.0	20.0	25.0	35.0	45.0
Czechoslovakia.....	<sup>f</sup> 97	.....	.....	150	130	170	180	220	230	300	300
Hungary.....	16.0	.....	.....	60.1	58.1	66.6	78.0	92.0	93.0	71.0	110
Rumania.....	60.0	.....	.....	51.0	67.0	93.0	122	150	180	273	370
China.....	2.5	9.6	20.0	22.0	20.0	70.0	83.6	124	135	168	196

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Greece.....	13.4	20.3	Portugal.....	12.6	9.6	Turkey.....	73.9	49.8
Italy.....	40.1	48.8						

## OTHER MAJOR COUNTRIES

Angola.....	65.9	31.6	Egypt <sup>h</sup> .....	284	178	Mexico.....	245	274
Belgian Congo....	217	385	French Morocco...	429	400	Spain.....	33.8	31.9
Brazil.....	231	254	Goa.....	151	106	Gold Coast <sup>g</sup> .....	758	468
Chile.....	54.7	61.0	India.....	1,930	1,440	Union of South Africa..	828	701
Cuba.....	353	266	Japan.....	194	164	Yugoslavia.....	10.0	9.2
World Total <sup>i</sup> .....	11,500	10,600						

<sup>a</sup> Metal content of ore of the various countries is as follows: the USSR, believed to be 35 percent; Bulgaria, 20-30 percent; Czechoslovakia, 17 percent; Hungary, 40 percent; Rumania, 13-40 percent (depending upon the area in which it is mined); China, 35 percent; the US, 50-60 percent; Italy, Portugal, and Turkey, 30 percent with exception of 1954 Portugal figure which is 42 percent.

<sup>b</sup> The countries included are US, Italy, Portugal, Turkey, and Greece.

<sup>c</sup> Shipments. Excluding the quantities of ore containing 10 to 35 percent manganese, which are included with iron ore.

<sup>d</sup> No production in Albania, East Germany, and Poland.

<sup>e</sup> 1939.

<sup>f</sup> 1937.

<sup>g</sup> Exports.

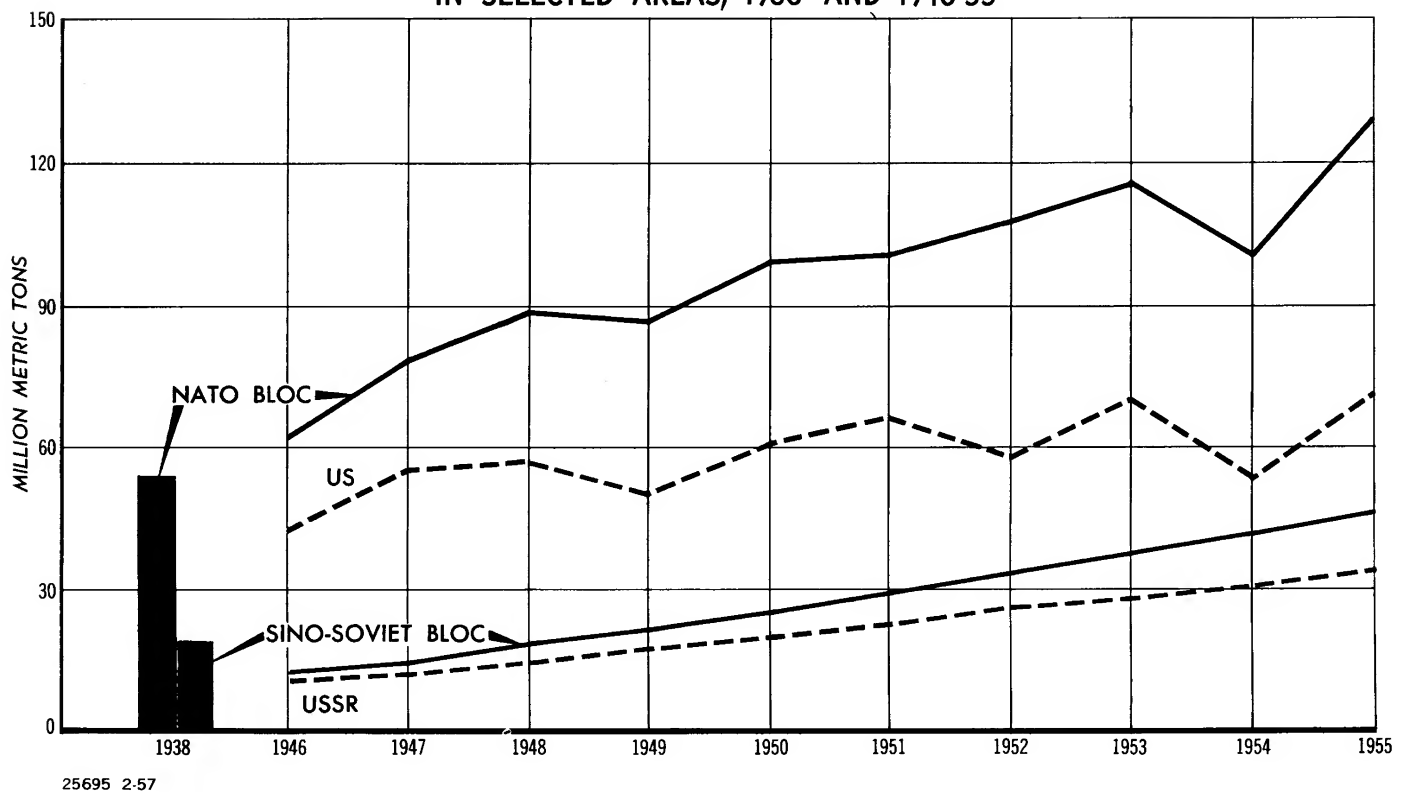
<sup>h</sup> Ore containing 30 percent manganese and 10 percent iron.

<sup>i</sup> Excluding Bulgaria, Czechoslovakia, Hungary, and China.

**SECRET**

Figure 6

**COMPARISON OF TOTAL PRODUCTION OF PIG IRON  
IN SELECTED AREAS, 1938 AND 1946-55**



**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 42  
PRODUCTION OF PIG IRON  
1938 and 1946-56

	1938 and 1946-56											Thousand-Metric Tons	
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	
NATO <sup>a</sup>	53,500	61,300	77,900	88,100	86,100	98,900	101,000	107,000	116,000	101,000	129,000	.....	
US <sup>b</sup>	19,500	42,000	54,600	56,200	49,800	60,200	65,700	57,500	70,000	53,200	70,600	.....	
Sino-Soviet Bloc	18,600	11,700	13,900	17,400	20,900	24,900	28,200	32,700	37,000	41,100	45,900	49,900	
USSR	14,700	9,900	11,200	13,700	16,400	19,200	21,900	25,100	27,400	30,000	33,300	37,200	
European Satellites <sup>c</sup>	2,900	1,750	2,710	3,540	4,060	4,590	4,870	5,760	7,350	7,970	9,000	8,760	
Bulgaria	0	0	0	0	0	0	0	0	0	0	0	34	
Czechoslovakia	1,320	960	1,420	1,644	1,884	1,956	2,052	2,304	2,784	2,784	2,976	3,000	
East Germany	232	.....	.....	200	200	340	340	650	1,100	1,320	1,500	1,540	
Hungary	335	.....	325	400	398	461	527	620	716	840	850	.....	
Poland	880	726	867	1,100	1,300	1,500	1,600	1,800	2,300	2,600	3,100	<sup>a</sup> 3,500	
Rumania	133	66	91	191	275	335	350	390	450	426	575	690	
China	970	1.3	5.7	24.6	244	960	1,400	1,870	2,230	3,030	3,450	3,800	
North Korea	.....	3.1	6.1	99.6	166	190	Negl	Negl	Negl	58.0	116	180	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium	4,620	5,390	Italy	1,340	1,730	Saar	2,500	2,880
Canada	2,110	3,070	Luxembourg	2,800	3,080	Turkey	196	200
Denmark	40	54	Netherlands	611	671	UK	12,100	12,700
France	8,940	12,000	Norway	246	334	West Germany	12,600	16,500

## OTHER MAJOR COUNTRIES

Australia	1,860	1,900	India	1,990	1,920	Union of South Africa	1,200	1,300
Austria	1,360	1,500	Japan	4,750	5,420	Yugoslavia	367	530
Brazil	1,090	1,080	Spain	936	988			
Finland	75	115	Sweden	938	1,170			
Free World Total	156,000							

<sup>a</sup> Excludes Greece, Iceland, and Portugal. The 1938 total includes 1936 production in West Germany and 1939 production in Turkey.

<sup>b</sup> Excludes production in electric furnace of pig iron and ferro-alloys.

<sup>c</sup> No production in Albania.

<sup>d</sup> Plan figure.

SECRET

SECRET

MINERALS AND METALS

38

MINERALS AND METALS

SECRET

Table 43  
PRODUCTION OF CRUDE STEEL<sup>a</sup>  
1938 and 1946-56

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956 <sup>1,2</sup>
NATO <sup>b</sup>	73,500	87,800	109,000	122,000	118,000	140,000	153,000	147,000	163,000	146,000	184,000	.....
US	28,800	60,400	77,000	80,400	70,700	87,800	95,400	84,500	101,000	80,100	106,000	.....
Sino-Soviet Bloc <sup>c</sup>	24,500	16,300	19,300	24,800	30,700	36,300	42,100	47,000	52,600	56,800	62,200	66,400
USSR	18,100	13,300	14,500	18,600	23,300	27,300	31,400	34,500	38,100	41,400	45,300	49,900
European Satellites	5,910	3,030	4,670	6,060	7,050	8,250	9,820	11,200	12,700	13,100	14,200	13,200
Bulgaria	21	26	26	26	26	26	26	40	63	137	142	194
Czechoslovakia	1,870	1,620	2,280	2,616	2,808	3,120	3,456	3,756	4,368	4,272	4,476	4,500
East Germany	1,700	.....	.....	332	600	1,000	1,600	2,000	2,450	2,600	2,720	2,980
Hungary	647	.....	600	750	860	1,050	1,290	1,460	1,540	1,490	1,600	.....
Poland	1,400	1,220	1,579	2,000	2,300	2,500	2,800	3,200	3,600	4,000	4,450	4,600
Rumania	277	157	183	340	459	558	650	702	720	626	785	950
China	485	7.5	25.1	11.4	158	605	890	1,350	1,760	2,200	2,600	3,100
North Korea	.....	5.0	61.5	116	145	144	Negl	Negl	Negl	50.8	112	174

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium	4,960	5,900	Italy	4,210	5,400	Saar	2,810	3,170
Canada	2,890	4,100	Luxembourg	2,830	3,230	Turkey	169	188
Denmark	199	237	Netherlands	928	973	UK	18,800	20,200
France	10,600	12,600	Norway	121	166	West Germany	17,400	21,300

## OTHER MAJOR COUNTRIES

Australia	2,150	2,240	Finland	177	187	Spain	1,100	1,210
Austria	1,650	1,820	India	1,700	1,730	Sweden	1,860	2,150
Brazil	1,150	1,170	Japan	7,750	9,610	Union of South Africa	1,430	1,580
Chile	321	309	Mexico	455	526	Yugoslavia	616	805
World Total	221,000							

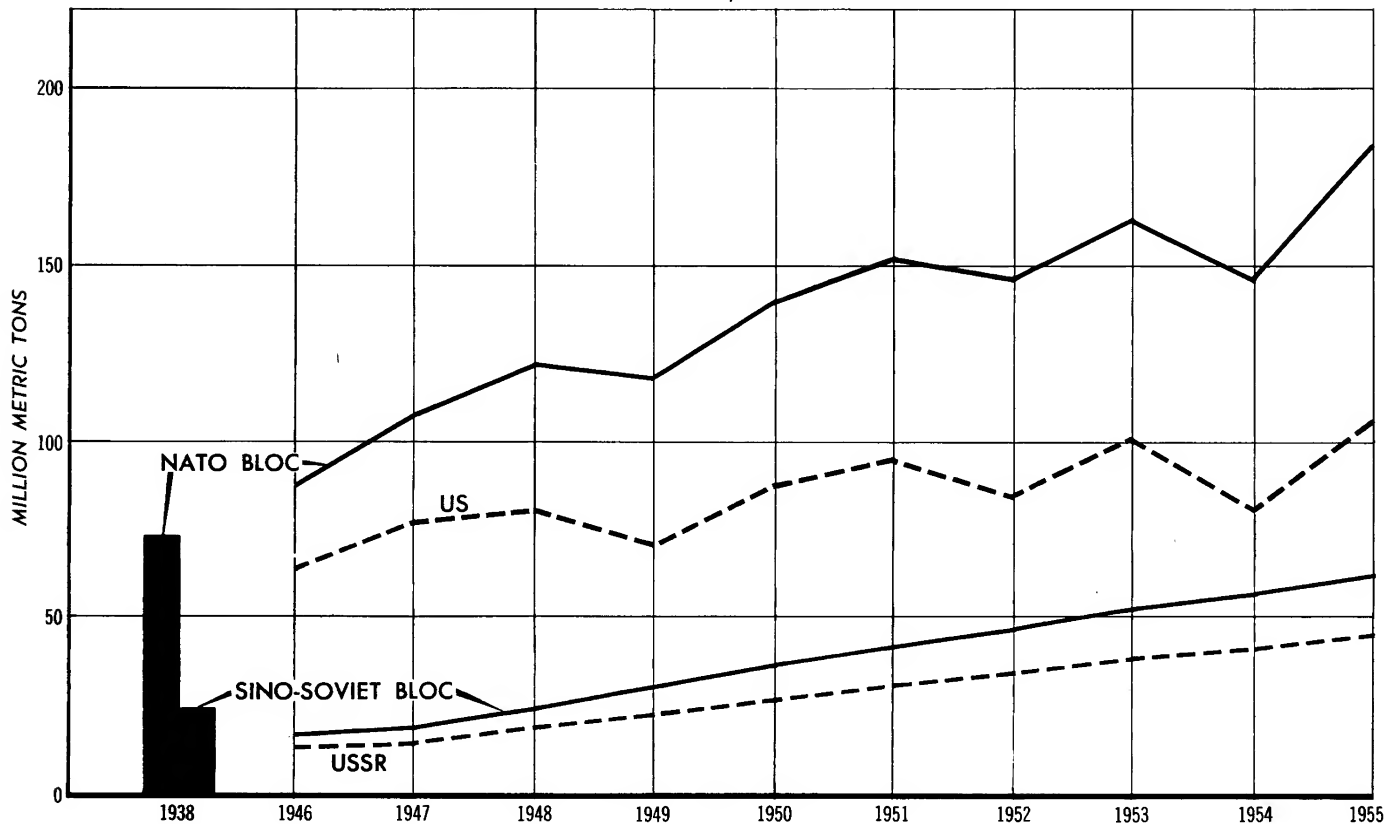
<sup>a</sup> Unless otherwise stated, the figures refer to total production of ingots and steel for castings.<sup>b</sup> Excludes Greece, Iceland, and Portugal. The 1938 total includes 1940 production in Turkey. The 1946 total includes finished castings for West Germany.<sup>c</sup> No production in Albania.<sup>d</sup> Plan figure.



**SECRET**

Figure 7

**COMPARISON OF TOTAL PRODUCTION OF CRUDE STEEL  
IN SELECTED AREAS, 1938 AND 1946-55**



25696 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 44  
PRODUCTION OF FINISHED STEEL  
1938 and 1946-56

Country	Thousand Metric Tons											
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	74,900	.....	.....	.....	.....	109,000	120,000	113,000	125,000	117,000	142,000	.....
US.....	<sup>b</sup> 37,400	.....	.....	.....	.....	68,200	74,300	64,700	78,000	62,100	82,200	.....
Sino-Soviet Bloc <sup>c</sup> .....	18,400	11,800	14,500	18,400	22,900	27,100	31,000	35,300	39,400	42,700	46,800	51,800
USSR.....	13,300	9,600	11,100	14,200	18,000	20,900	24,000	26,800	29,400	32,100	35,300	38,800
European Satellites.....	4,720	2,150	3,280	4,070	4,660	5,750	6,300	7,380	8,490	8,810	9,380	10,400
Bulgaria.....	11.6	.....	.....	14.3	14.3	14.3	14.3	22.0	37.4	90.7	94.3	132
Czechoslovakia.....	<sup>b</sup> 1,600	1,200	1,640	1,800	1,900	2,300	2,330	2,540	2,920	2,980	2,980	3,460
East Germany.....	1,300	.....	.....	252	446	742	878	1,400	1,680	1,790	1,870	2,010
Hungary <sup>d</sup> .....	470	.....	400	400	450	509	620	720	842	817	883	<sup>e</sup> 930
Poland <sup>d</sup> .....	1,100	800	1,100	1,300	1,500	1,800	2,000	2,200	2,500	2,700	3,000	<sup>e</sup> 3,200
Rumania.....	234	151	140	306	349	387	455	491	504	438	560	670
China.....	414	8.6	61	30	120	360	688	1,110	1,490	1,720	2,040	2,430
North Korea.....	.....	7.3	52.4	81.6	108	98.0	Negl	Negl	Negl	<del>27.8</del> 30	<del>83.7</del> 77	<del>120</del> 125

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	3,960	7,310	Italy.....	3,440	4,230	Turkey.....	144	150
Canada.....	2,280	3,140	Luxembourg.....	2,290	( <sup>g</sup> )	UK.....	15,000	15,900
Denmark.....	152	180	Netherlands.....	868	1,040	West Germany.....	13,100	16,100
France.....	7,860	9,480	Norway.....	83.0	109			
Greece.....	63.5	.....	Saar.....	2,050	2,320			

## OTHER MAJOR COUNTRIES

Austria.....	1,140	1,340	Sweden.....	1,310	1,560	Yugoslavia.....	491	590
Spain.....	660	741						

<sup>a</sup> Excludes Iceland and Portugal. The 1938 total includes all of Germany and 1937 figures for production in France, Netherlands, Norway, and the US. The 1955 total does not include Greece.

<sup>b</sup> 1937 figure.

<sup>c</sup> No production in Albania.

<sup>d</sup> Rolled products only. Finished steel not available.

<sup>e</sup> Plan figure.

<sup>f</sup> Belgium and Luxembourg included in the Belgium figure.

SECRET

SECRET

MINERALS AND METALS

## MINERALS AND METALS

## SECRET

Table 45  
PRODUCTION OF CHROME<sup>a</sup>

Country	1938 and 1946-55						Thousand Metric Tons				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....		54.2	75.3	137	216	204	294	386	344	322	....
US.....		1.6	0.34	1.6	0.18	0.15	3.1	9.0	21.5	54.9	....
Sino-Soviet											
Bloc <sup>c</sup> .....	86.6	236	301	281	446	434	297	304	388	400	419
USSR.....	86.6	233	299	271	428	400	259	260	336	346	352
European											
Satellites.....		2.48	2.70	9.99	18.4	34.6	38.1	44.6	51.2	53.1	67.0
Albania.....				6.75	11.2	26.6	29.5	35.6	41.8	43.2	56.7
Bulgaria.....		2.48	2.70	3.15	3.60	4.50	4.50	4.50	4.50	4.50	4.50
Rumania.....				0.09	3.60	3.60	4.05	4.50	4.95	5.40	5.85

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Greece.....	16.0	12.0	Portugal.....	Negl	Negl	Turkey.....	306	255

## OTHER MAJOR COUNTRIES

India.....	31.1	21.8	Pakistan.....	11.2	10.5	Union of South Africa..	319	284
Japan.....	13.0	11.2	Philippines.....	241	157			
New Caledonia.....	64.0	43.5	S. Rhodesia.....	198	190			

<sup>a</sup> The data refer to the estimated chromic oxide (Cr<sub>2</sub>O<sub>3</sub>) content of ores mined. The following percentages were used to reduce the Bloc estimates of ores mined to their Cr<sub>2</sub>O<sub>3</sub> content: the USSR, a portion at 35 percent and the rest at 48 percent, and Albania, Bulgaria, and Rumania at 45 percent.

<sup>b</sup> The countries included are Greece, Portugal (during 1946-54 only), Turkey, and the US.

<sup>c</sup> No production of chrome ore in Czechoslovakia, East Germany, Hungary, Poland, and China.

SECRET

MINERALS AND METALS

Table 46  
PRODUCTION OF TUNGSTEN <sup>a</sup>  
1938 and 1946-55

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	3,660	3,100	4,040	4,920	3,960	4,410	6,890	8,450	10,100	11,900	.....
US.....	1,660	2,670	1,730	2,310	1,660	2,270	3,380	4,140	5,240	7,520	.....
Sino-Soviet Bloc <sup>c</sup> ..	10,200	3,740	7,210	9,660	7,240	11,000	12,900	16,500	18,400	17,500	18,900
USSR.....	325	1,240	1,720	2,120	2,520	2,920	3,320	3,700	4,100	4,480	4,880
European Satel- lites.....	0	0	0	0	0	0	0	0	84	92	100
East Germany..	0	0	0	0	0	0	0	0	84	92	100
China.....	9,600	1,790	4,350	6,340	3,400	7,480	7,890	10,700	11,800	12,900	13,900
North Korea....	.....	713	1,140	1,200	1,320	576	1,650	2,100	2,370	.....	.....
North Vietnam..	327	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Canada.....	1,110	985	Italy.....	3	1	UK.....	39	55
France.....	681	569	Portugal <sup>d</sup> .....	3,040	2,760			

## OTHER MAJOR COUNTRIES

Australia.....	1,420	1,390	Burma.....	1,200	1,630	Spain.....	2,020	1,360
Belgian Congo..	761	891	Mexico.....	408	327	Sweden.....	264	274
Bolivia <sup>e</sup> .....	2,300	2,670	South Korea....	4,820	2,490	Thailand.....	1,050	718
Brazil.....	935	.....						
World Total <sup>f</sup> ..	40,500	39,500						

<sup>a</sup> The figures relate to the tungsten trioxide (WO<sub>3</sub>) content of tungsten ore mined. The following percentages were used to reduce the Bloc estimates of ores, or concentrates, mined to their WO<sub>3</sub> content: the USSR concentrates, 65 percent; East German ore, 65 percent; China ore, 68 percent; North Korea ore, 60 percent.

<sup>b</sup> The countries included are Canada, France, Italy, Portugal, the UK, and the US.

<sup>c</sup> No production of tungsten ore in Albania, Bulgaria, Czechoslovakia, Hungary, Poland, and Rumania.

<sup>d</sup> Contains scheelite, wolfram, and tin-tungsten ore.

<sup>e</sup> Exports.

<sup>f</sup> Does not include USSR.

SECRET

41

Table 47

## PRODUCTION OF NICKEL

1938 and 1946-55

Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	95,900	87,500	108,000	120,000	117,000	113,000	126,000	128,000	131,000	146,000	.....
US <sup>b</sup> .....	380	319	586	801	717	828	686	574	546	* 2,400	.....
Sino-Soviet Bloc <sup>d</sup> .....	3,210	16,200	21,000	23,600	26,400	29,400	31,800	34,200	36,100	37,600	40,700
USSR.....	2,700	16,200	21,000	23,600	26,400	29,000	31,000	33,000	35,000	37,000	40,000
European Satellites.....	513	.....	.....	.....	.....	448	840	1,220	1,060	630	680
East Germany <sup>e</sup> .....	.....	.....	.....	.....	.....	92	450	800	600	130	130
Poland.....	513	0	0	0	0	356	390	425	460	500	550

## NATO COUNTRIES

	1953	1954
Canada <sup>f</sup> .....	130,000	144,000

## OTHER MAJOR COUNTRIES

	1953	1954		1953	1954		1953	1954
Cuba <sup>g</sup> .....	12,600	13,200	New Caledonia <sup>h</sup> .....	17,000	14,200	Union of South Africa.....	1,720	1,920
Finland.....	379	170						
World Total.....	203,000	218,000						

<sup>a</sup> Includes the US and Canada.<sup>b</sup> Chiefly as by-product in electrolytic refining of copper.<sup>c</sup> Comprises 580 MT by-product of copper refining and 1,820 MT content of ore.<sup>d</sup> Bloc countries which have no production are Albania, Bulgaria, Czechoslovakia, Hungary, Rumania, China, and North Vietnam.<sup>e</sup> 1951-53 production from imported ores; 1954-55 produced from ore stock and scrap.<sup>f</sup> Production in all forms from Canadian ore.<sup>g</sup> Nickel content and small fraction of cobalt in oxide.

**SECRET**

## MINERALS AND MEALS

<sup>t</sup> Excluding the USSR, China, and minor producing countries.

## MINERALS AND METALS

## SECRET

TABLE 49  
PRODUCTION OF COBALT <sup>a</sup>  
1938 and 1946-55

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	208	269	553	1,020	518	632	841	1,260	1,300	1,930	2,540
US.....	...	235	293	316	237	367	409	618	571	906	1,180
Canada <sup>c</sup> .....	208	34	260	701	281	265	432	645	727	1,020	1,360
USSR <sup>d</sup> .....	...	....	....	....	....	....	900	980	1,060	1,140	1,220

## OTHER MAJOR COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgian Congo <sup>e</sup> ....	8,610	8,570	French Morocco <sup>a</sup> .....	736	750	N. Rhodesia <sup>a</sup> ....	427	123
World Total <sup>f</sup> .....	11,000.							

<sup>a</sup> Metal content of ore.<sup>b</sup> The countries included are Canada and the US.<sup>c</sup> Metal, salts and oxides recovered from smelter products, plus cobalt contained in cobalt ore and residues exported.<sup>d</sup> No production of cobalt in Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Rumania, China, North Korea, and North Vietnam.<sup>e</sup> Cobalt content of alloys.<sup>f</sup> Complex ores containing cobalt are known to have been produced in Greece, China, and Korea, but figures are not available.

Table 50  
VANADIUM <sup>a</sup>  
1938 and 1946-55

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
US <sup>b</sup> .....	732	577	961	811	1,450	2,080	2,800	3,260	4,210	4,470	.....
USSR <sup>c</sup> .....	...	425	....	....	....	....	535	645	675	700	725
Other Major Countries:											
	1953	1954									
Peru.....	331	190									
South West Africa....	498	519									
World Total <sup>d</sup> .....	5,070	5,200									

<sup>a</sup> Vanadium content of ferrovanadium.<sup>b</sup> Beginning in 1940, figures relate to shipments.<sup>c</sup> No production in any other country of the Sino-Soviet Bloc.<sup>d</sup> Exclusive of the USSR and a few minor producing countries.



Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

**Page Denied**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

SECRET

MINERALS AND METALS

Table 51  
 PRODUCTION OF BAUXITE  
 1938 and 1946-56

	1938 and 1946-56									Thousand Metric Tons		
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	1,560	1,640	2,100	2,480	2,110	2,400	3,380	3,450	3,350	3,860	3,900	.....
US <sup>b</sup> .....	° 316	1,120	1,220	1,480	1,170	1,360	1,880	1,690	1,600	1,940	1,580	.....
Sino-Soviet Bloc <sup>d</sup> ..	666	527	844	947	1,150	1,220	1,410	1,910	2,010	2,160	2,280	2,920
USSR.....	250	425	500	500	550	605	665	730	800	880	970	1,600
European Satel- lites.....	352	102	344	447	599	616	744	1,180	1,210	1,280	1,310	1,320
Hungary.....	340	101	344	446	598	615	734	1,170	1,200	1,260	1,290	1,300
Rumania.....	11.8	0.6	0.6	0.8	1.0	1.0	10.0	10.0	12.7	15.2	18.0	25.0
China.....	63.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Korea....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.
North Vietnam..	0.16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
France.....	1,280	1,490	Italy.....	295	326	West Germany.....	4.2	3.9
Greece.....	354	500						

## OTHER MAJOR COUNTRIES

British Guiana <sup>e</sup> ..	2,160	2,470	India.....	81	82	Malaya.....	168	226
French West Africa	442	493	Indonesia.....	166	264	Surinam.....	3,360	3,060
Gold Coast <sup>e</sup> .....	166	118	Jamaica.....	2,100	2,590	Yugoslavia.....	681	791
World Total.....	15,400	15,100						

<sup>a</sup> The countries included are France, Greece, Italy, the US, and West Germany. The 1938 total includes all Germany, but in the 1946 figure West Germany is omitted.

<sup>b</sup> Dried equivalent of crude ore.

<sup>c</sup> Shipments.

<sup>d</sup> No production in Albania, Bulgaria, Czechoslovakia, East Germany, and Poland.

<sup>e</sup> Exports.

SECRET

45

## MINERALS AND METALS

SECRET

Table 52  
PRODUCTION OF PRIMARY ALUMINUM  
1938 and 1946-56

Country	Thousand Metric Tons											
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	367	706	919	1,060	1,060	1,210	1,460	1,640	2,000	2,230	2,400	.....
US.....	130	372	519	566	548	652	759	850	1,140	1,320	1,420	.....
Sino-Soviet Bloc <sup>b</sup> ..	125	90.0	105	144	170	234	253	275	377	458	598	833
USSR.....	44	88	100	135	155	210	220	235	330	390	588	720
European Satel- lites.....	80.2	2.0	4.9	9.4	15.4	23.6	32.6	39.9	47.3	68.3	96.0	113
Czechoslovakia .....	.....	.....	.....	.....	.....	.....	.....	.....	1.00	7.00	20.0	20.0
East Germany..	78.7	0	0	Negl.	1.0	2.0	6.0	9.0	16.3	26.0	27.0	34.0
Hungary.....	1.50	2.00	4.86	9.40	14.4	21.6	26.6	30.9	30.0	32.8	37.0	39.0
Poland.....	0	0	0	0	0	0	0	0	0	2.50	12.0	20.0
China <sup>d</sup> .....	0.97	0	0	0	0	0	0	0	0	0	0	0

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada.....	509	552	Italy.....	58	61	UK.....	32	25
France.....	120	129	Norway.....	61	78	West Germany.....	129	137

## OTHER MAJOR COUNTRIES

India.....	5	7	Spain.....	5	10	Switzerland.....	26	30
Japan.....	53	57	Sweden.....	11	11	Taiwan.....	7	7
Yugoslavia.....	3.5	11.5						
World Total <sup>a</sup> .....	2,460	2,670						

<sup>a</sup> The countries included are: Canada, France, Italy, Norway, the UK, the US, and West Germany.

<sup>b</sup> No production in Albania, Bulgaria, Rumania, North-Korea, and North Vietnam.

<sup>c</sup> Plan figure.

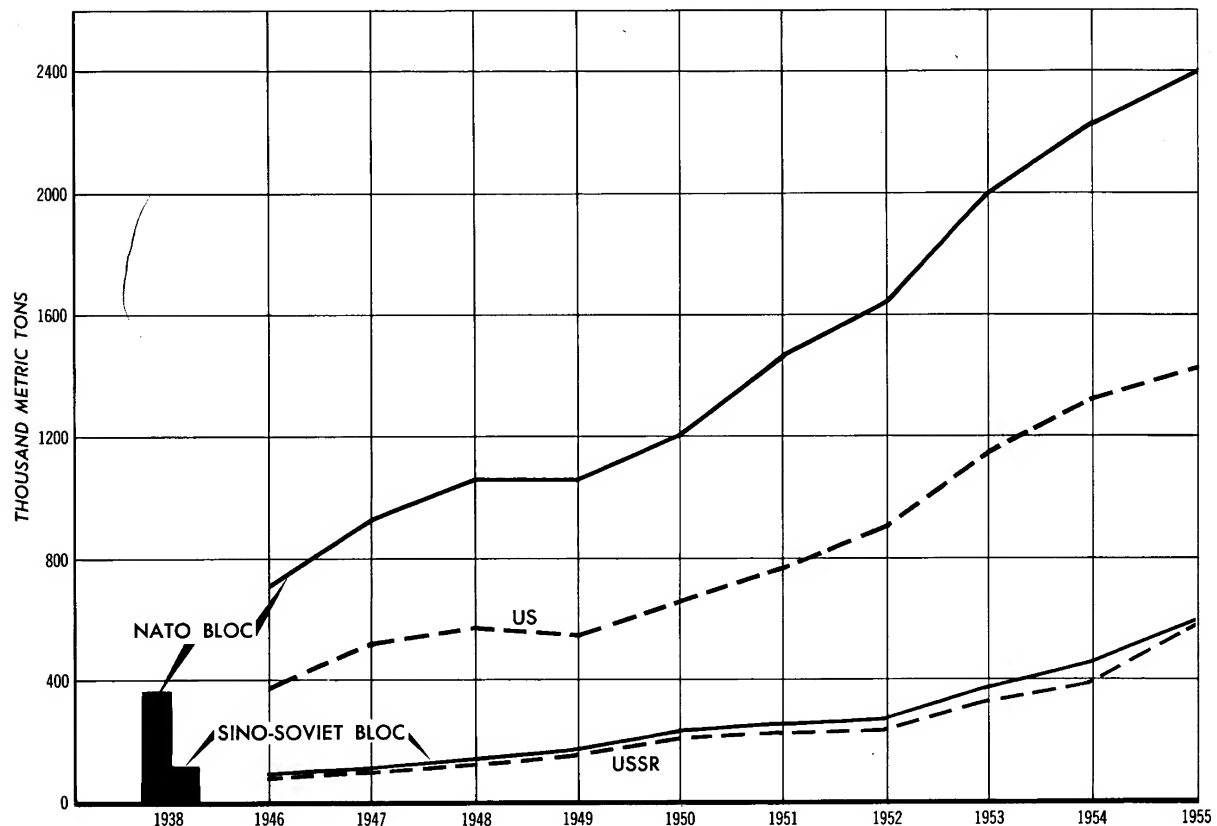
<sup>d</sup> Metallic content of produced ores.

<sup>e</sup> Excluding the USSR and China Mainland.

**SECRET**

Figure 8

**COMPARISON OF TOTAL PRODUCTION OF PRIMARY ALUMINUM  
IN SELECTED AREAS, 1938 AND 1946-55**



25697 2-57

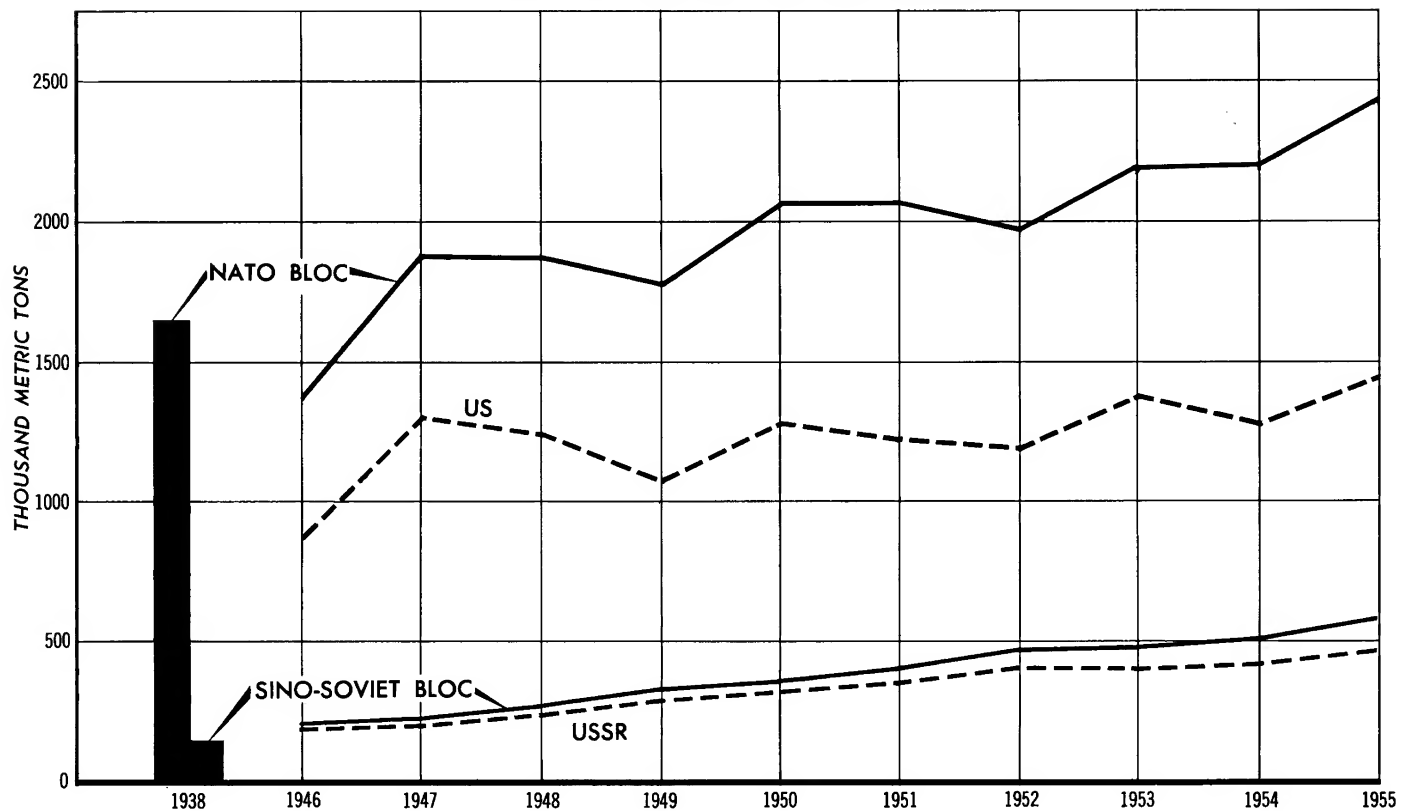
**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

**SECRET**

Figure 9

**COMPARISON OF TOTAL PRODUCTION OF COPPER  
IN SELECTED AREAS, 1938 AND 1946-55**



25698 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

## SECRET

## MINERALS AND METALS

Table 53  
PRODUCTION OF COPPER

Country	1938 and 1946-55										Thousand Metric Tons
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	1,640	1,360	1,860	1,860	1,760	2,050	2,050	1,960	2,180	2,190	2,420
US.....	<sup>b</sup> 986	864	1,290	1,230	1,060	1,270	1,220	1,180	1,370	1,280	1,440
Sino-Soviet Bloc.....	134	189	212	254	312	342	394	458	468	502	561
USSR.....	103	175	191	229	274	302	344	396	393	413	462
European Satellites.....	30.1	12.6	16.3	20.7	30.1	32.3	43.9	54.1	64.4	75.8	83.0
Albania.....	Negl.	Negl.	Negl.	Negl.	Negl.	0.90	0.70	1.10	1.50	1.75	2.50
Bulgaria.....	Negl.	.....	.....	1.0	1.4	1.9	2.4	2.8	5.4	6.4	7.4
Czechoslovakia.....	Negl.	0.6	0.6	0.6	0.6	1.0	1.0	2.0	3.0	4.5	4.7
East Germany.....	29.5	12.0	15.2	14.7	27.5	27.8	31.0	37.3	39.7	42.5	44.1
Hungary.....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.
Poland.....	.....	.....	.....	.....	.....	.....	8.0	10.0	12.5	17.0	20.5
Rumania.....	0.58	Negl.	0.52	0.44	0.64	0.70	0.75	0.90	2.30	3.70	3.70
China.....	0.50	0.90	0.90	0.50	2.0	4.0	6.0	8.0	11.0	12.6	12.9
North Korea.....	.....	0.5	3.6	4.0	5.6	3.3	Negl.	Negl.	Negl.	1.0	3.0

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium <sup>c</sup> .....	154	157	Italy.....	17.0	26.9	UK.....	223	231
Canada.....	230	263	Norway.....	9.48	10.5	West Germany.....	234	260
France.....	27.8	27.5	Turkey <sup>d</sup> .....	11.1	10.5			

## OTHER MAJOR COUNTRIES

Austria.....	14.2	13.0	Japan.....	106	113	Sweden.....	31.3	31.8
Belgian Congo <sup>d</sup> ....	112	115	Mexico <sup>d</sup> .....	32	35.1	Union of South Africa	14.5	14.8
Chile <sup>d</sup> .....	191	241	Northern Rhodesia <sup>d</sup> ..	177	179	Yugoslavia.....	26.9	24.8
Finland.....	21.4	22.3	Peru.....	25.6	27.6			
World Total.....	3,480	3,840						

<sup>a</sup> Total production of refined copper by refineries, both electrolytic and fire-refined, irrespective of whether refined from blister, anodes and other primary materials or from scrap and other secondary materials. Copper refined by manufacturers for their own use is included. Excluded is copper recovered from secondary material by simple remelting without being processed by a refinery. For the years 1938, and 1946-52, however, the figures may not be strictly comparable to other years as they were taken from a different source. The countries included are Belgium and Luxembourg, Canada, France, Italy, Norway, Turkey (1953-55), the UK, the US, and West Germany.

<sup>b</sup> 1939.

<sup>c</sup> Belgium and Luxembourg combined.

<sup>d</sup> Countries in which the smelter production was considerably larger than the refined copper production are as follows:

	Thousand metric tons	
	1954	1955
Northern Rhodesia....	384	353
Chile.....	339	406
Belgian Congo.....	219	232
Mexico.....	41.8	43.3
Turkey.....	24.3	21.7



## MINERALS AND METALS

## SECRET

Table 54

## PRODUCTION OF LEAD

1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	516	605	754	865	971	1,090	1,010	1,080	1,060	1,090	1,090	....
US.....	....	360	491	464	492	519	442	483	484	500	496	....
Sino-Soviet Bloc <sup>b</sup> .....	118	66.6	135	178	137	170	203	231	221	287	334	376
USSR.....	69	48	60	61	77	96	120	140	171	193	220	235
European Satellites..	45.7	16.9	20.8	47.3	48.6	63.6	77.8	84.1	104	118	128	136
Bulgaria.....	....	....	....	7.40	9.50	13.0	19.5	27.0	42.5	47.0	51.0	55.0
Czechoslovakia....	5.00	2.80	4.46	5.77	7.02	7.60	8.65	8.70	9.20	10.0	10.0	10.0
East Germany.....	15.0	....	....	13.2	10.1	19.0	20.7	17.4	18.0	19.6	20.0	20.0
Hungary.....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	....
Poland.....	20.0	10.9	12.8	16.9	18.0	20.0	24.0	25.0	26.0	31.4	35.6	40.0
Rumania.....	5.70	3.20	3.50	4.00	4.00	4.00	5.00	6.00	8.00	10.0	11.0	11.0
China.....	3.72	0.014	0.77	0.83	2.06	4.00	5.00	7.00	12.3	22.2	22.5	22.8
North Korea.....	....	1.70	5.36	6.93	9.44	6.68	Negl.	Negl.	Negl.	1.00	6.00	....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium <sup>c</sup> .....	71.9	80.8	Greece.....	3.5	3.2	Turkey.....	1.9	2.0
Canada.....	151	135	Italy.....	46.6	54.0	UK.....	77.3	78.8
Denmark.....	5.0	7.2	Netherlands.....	9.4	5.2	West Germany.....	148	147
France.....	78.5	92.8	Portugal.....	2.0	2.0			

OTHER MAJOR COUNTRIES <sup>d</sup>

Australia.....	244	230	Peru.....	57.8	61.1	Tunisia.....	27.3	26.0
Austria.....	10.1	10.3	Spain.....	58.6	61.2	Yugoslavia.....	66.7	75.6
French Morocco....	26.7	26.2						
World Total <sup>e</sup> .....	1,990	2,000						

<sup>a</sup> Total production of refined metal obtained from ores and concentrates or from scrap and old material. Metal recovered by mere fusion (without refining) from scrap or old material is excluded. The countries included during various years are Belgium and Luxembourg combined, Canada, and France during 1938 and 1946-54; Denmark during 1954-55; Greece during 1938; Italy, the Netherlands, and Portugal during 1948-55; Turkey during 1953-55; the UK and the US during 1946-55; and West Germany during 1938 and 1948-55.

<sup>b</sup> No production in Albania.

<sup>c</sup> Belgium and Luxembourg combined.

<sup>d</sup> Excluding production from scrap.

<sup>e</sup> Excluding East Germany, North Korea, Brazil, Guatemala, and Portugal.

SECRET

MINERALS AND METALS

Table 55  
PRODUCTION OF TIN METAL (SMELTER)

Country	1938 and 1946-55										Thousand Metric Tons
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	67.5	76.8	84.4	96.7	94.8	93.8	90.4	93.3	105	98.0	89.6
US.....		44	34	37	37	33	31	23	38	27	23
Sino-Soviet Bloc <sup>b</sup> .....	16.5	7.0	9.7	11.3	11.7	13.2	14.2	18.4	19.5	20.6	26.6
USSR.....	1.0	4.5	5.3	6.3	7.3	7.0	7.0	8.0	8.0	15.0	10.0
European Satellites.....	0.1	Negl.	Negl.	0.10	0.10	0.16	0.22	0.38	0.48	0.60	0.60
East Germany.....	0.10	Negl.	Negl.	0.10	0.10	0.16	0.22	0.38	0.48	0.60	0.60
China.....	15.4	2.5	4.4	4.9	4.3	6.0	7.0	10.0	11.0	13.0	16.0

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	12	11	Portugal.....	0.6	0.6	West Germany.....	1.4	Negl.
Netherlands.....	29	27	UK.....	28	28			

## OTHER MAJOR COUNTRIES

Australia.....	2.1	2.0	Indonesia.....	1.4	1.8	Malaya.....	72.3	71.8
Belgian Congo.....	2.5	2.9	Japan.....	0.8	0.9			
World Total.....	186	182						

<sup>a</sup> The countries included are Belgium, Canada (except 1938, 1953-55), the Netherlands, Portugal, the UK, the US (except 1938), and West Germany (1938, all Germany; 1946-48 and 1955 negligible).

<sup>b</sup> No production in Albania, Bulgaria, Czechoslovakia, Hungary, Poland, Rumania, North Korea, and North Vietnam.

SECRET

49

## MINERALS AND METALS

## SECRET

Table 56  
PRODUCTION OF ZINC

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	1,170	1,110	1,280	1,360	1,460	1,570	1,660	1,680	1,730	1,700	1,900	....
US.....	415	689	769	771	789	826	844	870	879	788	935	....
Sino-Soviet Bloc....	280	114	143	185	232	256	280	327	377	402	457	....
USSR.....	78	54	63	85	106	123	142	176	199	213	247	276
European Satel- lites <sup>b</sup> .....	194	58.3	75.6	95.0	117	126	135	146	172	180	199	....
Bulgaria.....	....	....	....	3.62	3.70	7.20	10.4	13.6	20.0	24.0	28.0	32.0
Czechoslovakia..	8.88	....	1.96	2.23	<sup>c</sup> 2.50	2.50	3.00	4.00	4.70	4.70	5.70	....
East Germany..	44.4	0	0	0	0	0	0	0	3.40	3.80	3.50	3.50
Poland.....	108	56.6	71.8	87.0	108	114	118	125	138	142	156	....
Rumania.....	3.22	1.70	1.80	2.10	2.50	3.00	2.50	4.00	5.00	5.60	6.00	7.00
China.....	2.53	....	0.32	0.33	1.50	2.70	3.30	4.40	6.60	8.60	10.3	11.9
North Korea.....	....	1.68	4.50	5.00	8.00	4.30	Negl.	Negl.	Negl.	Negl.	Negl.	....
North Vietnam...	5.10	....	....	....	....	....	....	....	....	....	....	....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium <sup>d</sup> .....	213	212	Italy.....	67.5	70.4	UK.....	82.5	82.8
Canada.....	194	233	Netherlands.....	26.0	28.4	West Germany.....	177	186
France.....	111	112	Norway.....	43.3	44.0			

## OTHER MAJOR COUNTRIES

Australia.....	106	103	Mexico.....	55	56	Spain.....	23	24
Belgian Congo.....	32	34	Northern Rhodesia...	27	28	Yugoslavia.....	14	14
Japan.....	102	112	Peru.....	15	17			
World Total.....	2,430	2,700						

<sup>a</sup> Total production of refined metal obtained from ores and concentrates or from scrap and old material. Metal recovered by mere fusion (without refining) from scrap or old material is excluded. The countries included are Belgium and Luxembourg, Canada, France, Italy, the Netherlands, Norway, the UK, the US, and West Germany.

<sup>b</sup> No production in Albania and Hungary.

<sup>c</sup> Plan figure.

<sup>d</sup> Belgium and Luxembourg combined.

SECRET

MINERALS AND METALS

Table 57  
PRODUCTION OF PLATINUM  
1938 and 1946-56

	1938 and 1946-56								Thousand Troy Ounces			
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	....	148	113	140	179	163	190	156	164	184	....	....
US <sup>b</sup> .....	....	26.2	18.4	19.3	24.8	37.6	36.8	34.4	26.1	29.5	....	....
Canada <sup>c</sup> .....	....	122	94.6	121	154	125	153	122	138	154	170	....
USSR <sup>d</sup> .....	120	130	130	125	120	100	95	100	110	124	125	130

## OTHER MAJOR COUNTRIES

	1954	1955		1954	1955
Colombia.....	28.4	27.5	Union of South Africa.	* 340	....
World Total <sup>f</sup> .....	844	....			

<sup>a</sup> The countries included are Canada and the US.<sup>b</sup> Crude platinum and new platinum metals recovered by refineries from gold and copper ores of domestic origin—platinum, palladium, iridium, osmiridium, and the like.<sup>c</sup> Recovered from Ontario nickel-copper ores, platinum, and other platinum metals.<sup>d</sup> No production of platinum in Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Rumania, China, North Korea, and North Vietnam.<sup>e</sup> Crude (platinum metals content), matte (platinum metals content), osmiridium (crude).<sup>f</sup> Estimated.

Table 58  
PRODUCTION OF ANTIMONY <sup>a</sup>  
1938 and 1946-56

Country	1938 and 1946-56									Thousand Metric Tons		
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	....	....	21.3	23.5	17.8	22.5	28.8	25.6	15.2	17.7	.....	....
US <sup>c</sup> .....	....	....	12.5	13.0	7.35	8.59	11.1	10.8	6.44	7.73	7.41	....
Sino-Soviet Bloc <sup>d</sup> ...	8.80	4.62	5.33	9.43	8.02	10.6	14.1	17.1	18.4	21.1	23.1	25.5
USSR.....	0.2	2.0	2.0	2.0	2.0	2.5	4.0	5.0	5.0	6.0	7.0	7.0
European Satellites	0.80	2.22	1.43	4.13	2.02	2.05	2.08	2.13	2.42	3.10	3.10	3.50
Czechoslovakia..	0.80	2.20	1.40	4.10	2.00	2.00	2.00	2.00	2.30	3.00	3.00	3.50
East Germany..	....	0.016	0.025	0.033	0.020	0.052	0.076	0.130	0.120	0.100	0.100	....
Hungary.....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	....
Poland.....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	....
China.....	7.80	0.40	1.90	3.30	4.00	6.00	8.00	10.0	11.0	12.0	13.0	15.0

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium <sup>e</sup> .....	2.00	2.10	Italy.....	0.20	0.20	West Germany.....	0.50	0.70
France <sup>f</sup> .....	1.80	2.00	UK.....	4.30	5.00			

## OTHER MAJOR COUNTRIES

Algeria.....	1.80	2.60	Peru.....	0.97	0.84	Union of South Africa	2.70	8.60
Bolivia <sup>g</sup> .....	5.80	5.20	Spain.....	0.50	0.20	Yugoslavia.....	1.40	1.60
Mexico.....	3.70	4.20						
World Total <sup>h</sup> .....	42	45						

<sup>a</sup> In terms of metal content.<sup>b</sup> The countries included are Belgium and Luxembourg combined, France, Italy, Turkey (1948-52 only), the UK, the US, and West Germany.<sup>c</sup> Smelter production.<sup>d</sup> No production in Albania, Bulgaria, Rumania, North Korea, and North Vietnam.<sup>e</sup> Belgium and Luxembourg combined.<sup>f</sup> In all forms.<sup>g</sup> Exports.<sup>h</sup> Excludes the USSR and the US.

SECRET

51

## MINERALS AND METALS

## SECRET

Table 59  
PRODUCTION OF CADMIUM  
1938 and 1946-55

	1938 and 1946-55									Metric Tons	
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	3,300	3,400	4,340	4,360	4,700	5,120	5,250	5,300	6,200	6,170	.....
US.....	1,850	2,810	3,630	3,440	3,640	4,010	3,680	3,800	4,410	4,270	4,420
Sino-Soviet Bloc <sup>b</sup> .....	275	.....	.....	.....	.....	.....	505	615	695	.....	.....
USSR.....	90	54	63	85	105	300	340	420	460	490	.....
European Satellites....	185	.....	.....	.....	.....	.....	165	195	235	.....	.....
East Germany.....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.
Poland.....	185	.....	.....	.....	.....	.....	165	195	235	.....	.....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium <sup>c</sup> .....	580	.....	Italy.....	207	197	UK.....	143	153
Canada.....	493	894	Norway.....	81	115	West Germany.....	281	.....
France.....	142	180						

## OTHER MAJOR COUNTRIES

Australia.....	293	.....	Japan.....	272	.....	Union of South Africa.....	735	.....
Belgian Congo.....	512	.....	Mexico.....	512	.....			
World Total <sup>d</sup> .....	6,900	.....						

<sup>a</sup> The countries included are Belgium and Luxembourg combined, Canada, France, Italy, Norway, the UK, the US, and West Germany. The figure for 1938 includes all Germany. The figure for 1946 does not include Belgium, Luxembourg, and West Germany.

<sup>b</sup> No production in Albania, Bulgaria, Czechoslovakia, Hungary, Rumania, China, North Korea, and North Vietnam.

<sup>c</sup> Belgium and Luxembourg combined.

<sup>d</sup> Excludes production in the Netherlands, Poland, Sweden, and the USSR. To avoid duplication South West Africa and Mexico are also excluded from the total.

Table 60  
PRODUCTION OF PRIMARY MAGNESIUM

	1938 and 1946-56								Thousand Metric Tons			
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	7.56	8.24	14.7	13.4	16.4	21.3	50.7	108	100	80.2	72.2	.....
US.....	2.92	4.82	11.2	9.08	10.5	14.3	37.1	96.0	84.4	63.2	55.5	.....
Sino-Soviet Bloc <sup>b</sup> .....	14.2	5.40	6.50	7.60	8.50	11.0	14.0	17.5	24.5	31.8	36.5	39.7
USSR.....	1.0	5.4	6.5	7.6	8.5	11	14	17.5	24.5	31.8	36.3	39.0
European Satellites..	13.2	0	0	0	0	0	0	0	0	0	0	0
East Germany.....	13.2	0	0	0	0	0	0	0	0	0	0	0
China <sup>c</sup> .....	0	0	0	0	0	0	0	0	0	0	0.25	0.50
North Korea.....	0.031	0	0	0	0	0	0	0	0	0	0	0.250

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada.....	4.57	.....	Italy.....	2.00	2.90	UK <sup>d</sup> .....	5.06	5.50
France.....	1.15	1.50	Norway.....	4.20	6.75			

<sup>a</sup> The countries included are Canada, France, Italy, Norway (1952-54 only), the UK, and the US. Canada is not included in the 1955 total.

<sup>b</sup> No production in Albania, Bulgaria, Czechoslovakia, Hungary, Poland, Rumania, and North Vietnam.

<sup>c</sup> Produced mainly in Manchuria.

<sup>d</sup> Includes some secondary production.

## SECRET

## MINERALS AND METALS

Table 61

## PRODUCTION OF MERCURY

Country	1938 and 1946-56							Thousand Flasks (34.5 kg.)				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	87.4	76.1	77.2	52.6	54.4	57.8	61.1	68.5	65.7	73.2	.....	.....
US.....	18.0	25.3	23.2	14.4	9.93	4.54	7.29	12.5	14.3	18.5	.....	.....
Sino-Soviet Bloc <sup>b</sup> .....	11.4	11.8	10.2	11.7	13.4	19.7	23.7	34.2	38.2	40.2	44.2	46.2
USSR.....	9.0	8.5	9.0	10.5	12.0	17.5	21.0	30.0	32.0	32.0	34.0	34.0
European Satel- lites.....	0.29	0.89	0.87	0.90	0.94	1.15	1.20	1.25	1.25	1.25	1.25	1.25
Czechoslo- vakia.....	0.29	0.84	0.77	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Rumania.....	0	0.05	0.10	0.10	0.14	0.15	0.20	0.25	0.25	0.25	0.25	0.25
China.....	2.09	1.45	0.29	0.29	0.50	1.00	1.50	3.00	5.00	7.00	9.00	11.0

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Italy.....	51.3	54.5	Turkey.....	0.10	0.26			

## OTHER MAJOR COUNTRIES

Japan.....	6.40	10.3	Spain.....	43.5	43.0	Yugoslavia.....	14.3	14.4
Mexico.....	11.6	14.7						
World Total.....	159	174						

<sup>a</sup> The countries included are Italy, Turkey (1946, 1948, and 1952-54), and the US.

<sup>b</sup> No production in Albania, Bulgaria, East Germany, Hungary, Poland, and North Vietnam. North Korea also produced no mercury before 1949 and no information is available regarding possible production since that date.

Table 62

## PRODUCTION OF ASBESTOS

	1938 and 1946-55							Thousand Metric Tons			
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	278	528	633	697	578	859	959	917	903	<sup>b</sup> 911	.....
US <sup>c</sup> .....	9.5	12.8	21.8	33.6	39.4	38.5	46.9	48.9	49.4	<sup>b</sup> 43.2	.....
USSR <sup>d</sup> .....	86	54	75	90	95	100	110	120	130	140	150

## NATO COUNTRIES

	1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>
Canada.....	827	841	France.....	9.3	10.7	Italy.....	17.2	16.5

## OTHER MAJOR COUNTRIES

Cyprus.....	14.5	15.6	Southern Rhodesia...	79.6	72.6	Yugoslavia.....	3.7	3.3
Japan.....	4.1	6.2	Union of South Africa.	86.0	99.0			
World Total <sup>e</sup> .....	1,140	1,140						

<sup>a</sup> The countries included are Canada, France, Italy, and the US.

<sup>b</sup> Provisional.

<sup>c</sup> Sold or used by producers.

<sup>d</sup> No production in Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Rumania, China, North Korea, and North Vietnam.

<sup>e</sup> Exclusive of the USSR.

SECRET

53

## MINERALS AND METALS

## SECRET

Table 63  
PRODUCTION OF FLUORSPAR

Country	1938 and 1946-56									Thousand Metric Tons			
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	
NATO <sup>a</sup> .....	317	350	446	574	455	557	698	738	776	733	....	.....	
US <sup>b</sup> .....	73	252	299	301	215	274	315	303	289	222	264	.....	
Sino-Soviet Bloc <sup>c</sup> .....	148	73.0	77.0	134	167	152	214	219	238	266	290	315	
USSR.....	75	50	75	100	125	100	150	150	160	175	190	205	
European Satellites.....	45.0	23.0	20.0	31.5	38.8	46.8	58.6	64.0	68.3	76.0	83.0	90.0	
Bulgaria.....	0	0	0	0	0	0	0	0	4.3	5.0	5.0	5.0	
East Germany.....	45.0	23.0	20.0	31.5	38.8	46.8	58.6	64.0	64.0	71.0	78.0	85.0	
China.....	2.80	....	....	3.00	3.00	5.00	5.00	5.00	10.0	15.0	17.5	20.0	

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Canada.....	80.3	109	Italy.....	93.8	77.1	UK .....	80.4	84.0
France.....	54.7	58.6	Norway.....	0.7	0.4	West Germany.....	161	165

## OTHER MAJOR COUNTRIES

Mexico.....	157	133	South Korea...	11.2	9.0	Union of South Africa.	14.5	20.0
Spain.....	51.2	71.6						

<sup>a</sup> The countries included are the US, Canada, the UK, France, Italy, Norway, and West Germany. The 1938 figure includes all Germany.

<sup>b</sup> Shipments.

<sup>c</sup> No production in Albania, Czechoslovakia, Hungary, Poland, Rumania, and North Vietnam.

SECRET

MINERALS AND METALS

Table 64

## PRODUCTION OF SULPHUR FROM PYRITES ORE \*

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	1,820	1,200	1,500	1,680	1,780	1,880	2,030	2,190	<del>2,230</del> 2,130	2,230	.....	.....
US.....	222	343	399	395	385	399	440	425	386	379	.....	.....
Sino-Soviet Bloc...	222	456	625	933	1,120	1,600	1,960	2,290	2,110	2,170	2,350	2,440
USSR.....	146	360	440	720	880	1,390	1,740	2,040	1,830	1,870	2,030	2,110
European Satel- lites.....	60.5	42.0	58.9	75.6	88.7	122	184	211	236	251	260	260
Albania.....	1.5	2.1	3.0	6.0	6.0	6.6	7.5	9.0	9.0	9.0	9.0	9.0
Bulgaria.....	0.4	6.8	6.0	4.0	5.2	15.2	27.2	40.8	45.2	49.6	50.0	50.0
Czechoslo- vakia.....	3.8	3.2	2.4	1.2	1.9	19.2	48.0	48.0	62.0	64.0	68.0	68.0
East Germany..	9.2	14.6	20.8	27.2	28.0	30.0	40.8	42.0	43.2	44.0	48.0	48.0
Hungary.....	1.6	2.0	2.8	4.0	4.0	4.8	5.6	6.4	6.8	7.2	7.2	7.2
Poland.....	36.9	11.3	15.9	23.2	32.4	28.0	28.0	32.0	32.0	34.0	34.0	34.0
Rumania.....	7.1	2.0	8.0	10.0	11.2	18.4	26.4	32.4	37.6	43.2	44.0	44.0
China.....	15.2	20.9	29.2	19.3	16.0	19.0	19.0	20.9	20.9	22.8	24.7	26.6
North Korea....	.....	32.8	96.5	118	132	69	16	20	24	28	36	48

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Canada.....	169	282	Italy.....	556	554	Turkey.....	10	10
France.....	125	127	Norway.....	337	349	UK.....	4.2	4.2
Greece.....	55.5	48.0	Portugal.....	295	263	West Germany.....	192	216

## OTHER MAJOR COUNTRIES

Cyprus.....	452	388	Japan.....	979	1,120	Sweden.....	192	197
Finland.....	167	160	Spain.....	856	919			
World Total <sup>c</sup> ....	4,930	5,330						

\* Data relate to the sulfur content of pyrites ore mined. Whenever precise data on the sulfur content were not available, fixed percentages, corresponding roughly to the sulfur content, were utilized.

<sup>b</sup> The countries included are Canada, France, Greece, Italy, Norway, Portugal, Turkey, the UK, the US, and West Germany. The figure for 1938 includes all Germany.

<sup>c</sup> Excludes estimates of production in the USSR and in a few minor producing countries.

SECRET

55



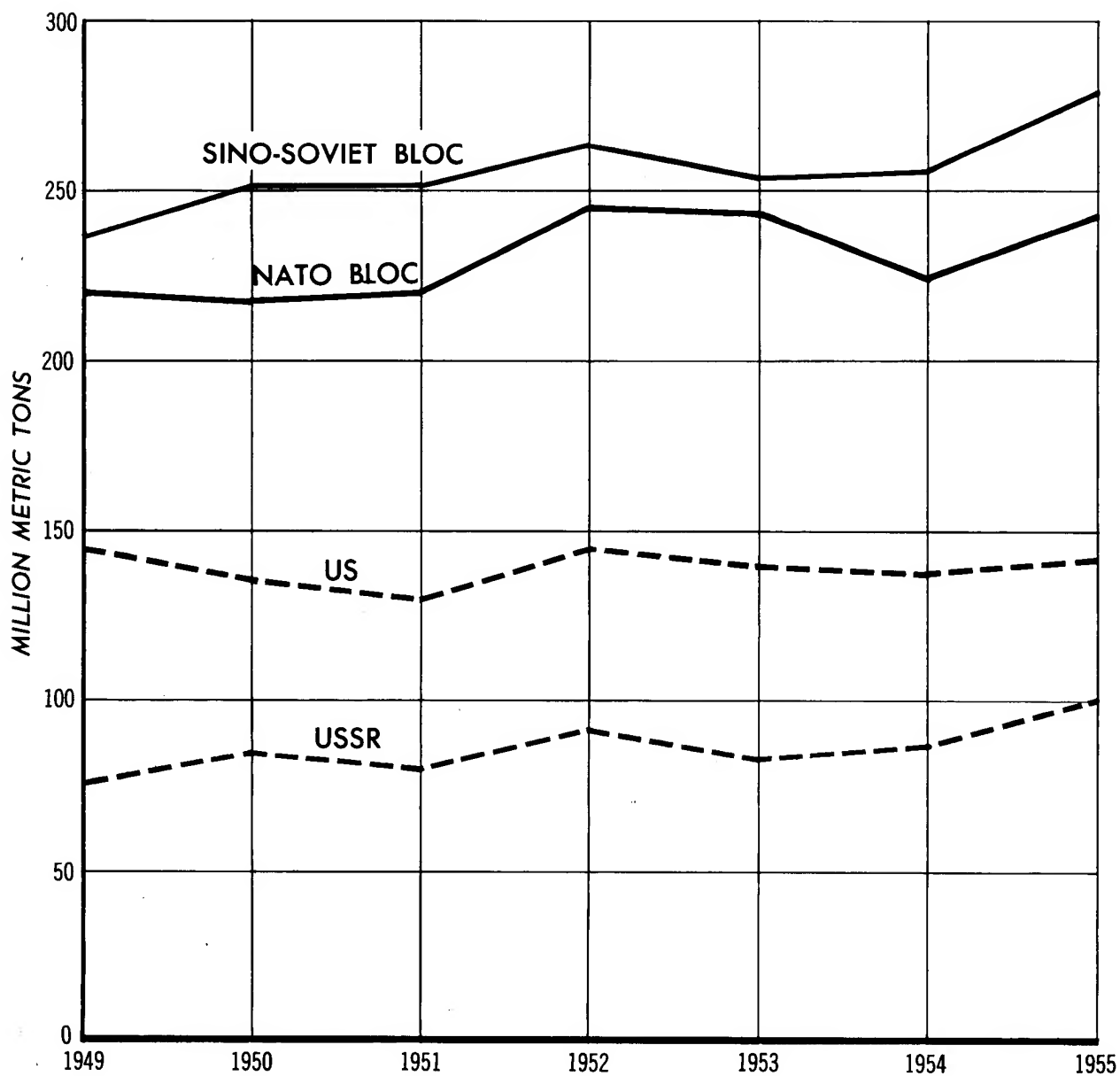
MINERALS AND METALS

SECRET

**SECRET**

Figure 10

**COMPARISON OF TOTAL PRODUCTION OF  
GRAIN IN SELECTED AREAS  
1949-55**



25699 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

SECRET

AGRICULTURE

164  
152  
144  
132  
122

Table 65  
PRODUCTION OF GRAIN  
1949-55

Country	Million Metric Tons						
	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	220	217	220	245	243	224	242
US <sup>b</sup> .....	144	135	129	144	139	137	141
Canada <sup>c</sup> .....	17.9	23.1	28.6	33.0	29.6	17.6	26.0
Other NATO countries <sup>b d</sup> .....	57.9	59.3	62.6	67.8	74.6	69.1	75.4
Argentina <sup>b</sup> .....	7.2	10.6	5.0	15.0	13.1	13.0	12.2
India <sup>e</sup> .....	45.3	41.2	43.0	45.8	55.4	52.5	52.6
Other European countries <sup>b f</sup> .....	12.8	12.8	14.2	15.0	14.7	16.5	14.8
Sino-Soviet Bloc.....	237	252	252	264	254	257	279
USSR <sup>g</sup> .....	76.6	85.0	80.0	92.0	83.0	87.0	100
China <sup>h</sup> .....	122	130	132	139	137	136	142
European Satellites <sup>b</sup> .....	38.3	36.5	40.2	32.6	34.0	33.9	37.0

<sup>a</sup> Excludes Iceland and the Saar.

<sup>b</sup> Includes wheat, rye, corn, oats, barley, and rice.

<sup>c</sup> Includes wheat, rye, corn, oats, and barley.

<sup>d</sup> Excludes Canada, Iceland, the Saar, and the US.

<sup>e</sup> Includes wheat, corn, barley, and rice.

<sup>f</sup> The countries included are Austria, Finland, Spain, Sweden, and Switzerland.

<sup>g</sup> Includes wheat, rye, oats, barley, corn, and other grains.

<sup>h</sup> Includes wheat, rice, and other grains (oats, barley, corn, rye, kaoliang, millet, buckwheat, glutinous millet, broadbeans, and field peas).

SECRET

57

58

AGRICULTURE

Table 66  
PRODUCTION OF BREADGRAINS •  
1938 and 1946-55

Million Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	80.6	68.2	65.6	78.5	73.3	74.3	76.3	92.4	90.8	74.4	82.1
US.....	26.8	31.9	37.8	36.4	31.5	28.5	27.2	35.8	32.3	27.4	26.3
Sino-Soviet Bloc.....	102	59.1	61.8	66.8	90.3	98.4	98.7	103	97.7	101	107
USSR.....	52.4	43.0	47.2	45.9	48.0	54.2	51.8	59.4	53.7	55.2	61.0
European Satellites.....	24.8	16.0	14.5	20.8	21.1	21.2	22.8	19.6	19.5	19.5	21.3
Albania.....	* 0.044	0.064	0.057	0.072	0.068	0.065	0.093	0.074	0.106	0.116	0.129
Bulgaria.....	* 2.16	2.06	1.27	2.30	2.15	2.15	2.33	1.99	2.16	2.26	2.39
Czechoslovakia.....	* 3.13	2.84	2.18	2.52	2.85	2.58	2.67	2.55	2.71	2.37	2.62
East Germany.....	* 3.72	2.34	2.30	3.02	3.55	3.53	3.62	3.28	2.82	2.68	3.03
Hungary.....	* 3.23	1.73	1.70	2.35	2.54	2.70	3.27	2.27	2.40	2.04	2.42
Poland.....	* 9.23	4.77	5.42	7.80	7.98	7.99	7.93	7.36	6.94	7.87	8.44
Rumania.....	* 3.30	2.14	1.57	2.71	1.99	2.21	2.87	2.07	2.32	2.18	2.30
China <sup>d</sup> .....	24.5	.....	.....	.....	21.0	23.0	24.0	24.0	24.5	26.0	24.5
North Korea <sup>d</sup> .....	.....	0.118	0.125	0.132	0.154	.....	0.085	0.099	0.099	.....	.....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	0.820	0.934	Italy.....	7.37	9.65	Portugal.....	0.938	0.535
Canada.....	8.77	13.8	Luxembourg.....	0.052	0.043	Turkey.....	5.34	7.73
Denmark.....	0.569	0.442	Netherlands.....	0.909	0.815	UK.....	2.87	2.66
France.....	11.1	11.1	Norway.....	0.043	0.033	West Germany.....	6.99	6.87
Greece.....	1.27	1.25						

## OTHER MAJOR COUNTRIES

Argentina.....	8.53	5.88	India <sup>d</sup> .....	8.00	8.68	Spain.....	5.39	4.58
Australia <sup>d</sup> .....	4.53	5.44	Pakistan <sup>d</sup> .....	3.74	3.22			
World Total.....	228	237						

• Consists of wheat and rye.

<sup>b</sup> Excludes Iceland and the Saar.

• 1935-39 average.

<sup>d</sup> Wheat only.

SECRET

SECRET

Table 67  
PRODUCTION OF WHEAT  
1938 and 1946-55

Million Metric Tons \*

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	68.0	65.2	62.7	71.9	66.6	67.8	69.7	85.6	83.7	67.0	75.2
US.....	25.4	31.4	37.1	35.7	31.1	27.9	26.7	35.4	31.8	26.8	25.5
Sino-Soviet Bloc.....	70.2	29.9	30.0	37.4	60.2	64.8	66.6	73.2	71.0	72.3	77.8
USSR.....	33.1	21.2	23.0	26.8	28.7	31.2	30.6	39.4	36.3	36.5	42.6
European Satellites.....	12.6	8.63	6.85	10.5	10.3	10.6	11.9	9.66	10.1	9.81	10.8
Albania.....	* 0.041	0.060	0.054	0.068	0.065	0.062	0.089	0.071	0.103	0.112	0.125
Bulgaria.....	* 1.88	1.85	1.09	2.04	1.90	1.90	2.07	1.76	1.90	2.00	2.12
Czechoslovakia.....	* 1.55	1.44	1.09	1.42	1.55	1.42	1.48	1.42	1.52	1.30	1.48
East Germany.....	* 1.59	0.844	0.750	1.15	1.35	1.37	1.16	1.05	0.880	0.848	1.05
Hungary.....	* 2.48	1.31	1.25	1.72	1.90	2.04	2.52	1.76	1.88	1.56	1.90
Poland.....	* 2.01	1.09	1.12	1.50	1.63	1.72	1.85	1.63	1.66	1.94	1.96
Rumania.....	* 3.05	2.04	1.50	2.58	1.90	2.09	2.72	1.97	2.19	2.06	2.12
China.....	<sup>d</sup> 24.5	.....	.....	.....	21.0	23.0	24.0	24.0	24.5	26.0	24.5
North Korea.....	.....	0.118	0.125	0.132	0.154	.....	0.085	0.099	0.099	.....	.....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	0.575	0.714	Italy.....	7.25	9.53	Turkey.....	4.90	7.07
Canada.....	8.41	13.4	Luxembourg.....	0.041	0.035	UK.....	2.83	2.64
Denmark.....	0.292	0.248	Netherlands.....	0.397	0.350	West Germany.....	2.89	3.38
France.....	10.6	10.6	Norway.....	0.041	0.032			
Greece.....	1.22	1.20	Portugal.....	0.748	0.395			

## OTHER MAJOR COUNTRIES

Argentina.....	7.69	* 5.17	India.....	8.00	8.68	Spain.....	4.90	4.08
Australia.....	4.53	* 5.44	Pakistan.....	3.74	3.22			
World total.....	189	198						

\* Conversion factor for Free World data: one bushel of wheat equals 60 pounds.

<sup>b</sup> Excludes Iceland and the Saar.<sup>c</sup> 1935-39 average.<sup>d</sup> 1931-37 average.

\* Preliminary figure.

SECRET

SECRET

AGRICULTURE

Table 68

## PRODUCTION OF RYE

1938 and 1946-55

Thousand Metric Tons \*

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO b.....	12,700	3,040	2,890	6,610	6,640	6,500	6,630	6,840	7,140	7,480	6,940
US.....	1,410	480	660	672	476	584	541	408	461	618	741
Sino-Soviet Bloc.....	31,500	29,100	31,800	29,400	30,100	33,600	32,100	29,900	26,700	28,400	28,800
USSR.....	19,300	21,800	24,200	19,100	19,300	23,000	21,200	20,000	17,400	18,700	18,400
European Satellites.....	12,200	7,320	7,650	10,300	10,800	10,600	10,900	9,940	9,310	9,700	10,400
Albania.....	c 3.0	3.7	3.0	4.0	3.0	3.0	4.0	3.0	3.3	3.8	4.0
Bulgaria.....	c 283	216	177	254	254	254	264	238	252	264	279
Czechoslovakia.....	c 1,580	1,400	1,090	1,110	1,300	1,170	1,190	1,130	1,190	1,070	948
East Germany.....	c 2,130	1,500	1,550	1,880	2,200	2,160	2,470	2,220	1,940	1,840	1,980
Hungary.....	c 746	424	445	635	635	660	750	509	520	478	515
Poland.....	c 7,210	3,680	4,310	6,300	6,350	6,270	6,080	5,730	5,280	5,930	6,480
Rumania.....	c 254	102	76	127	89	123	142	106	126	120	180

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	245	220	Italy.....	119	125	Portugal.....	190	140
Canada.....	360	374	Luxembourg.....	11	8	Turkey.....	440	657
Denmark.....	277	194	Netherlands.....	512	465	UK.....	39.6	19.3
France.....	514	439	Norway.....	1.5	1.0	West Germany.....	4,100	3,500
Greece.....	50.8	57.2						

## OTHER MAJOR COUNTRIES

Argentina.....	844	d 712	Spain.....	487	499	Sweden.....	301	176
Austria.....	370	416						
World Total.....	39,000	38,600						

\* Conversion Factor for Free World data: one bushel of rye equals 56 pounds.

b Excludes Iceland and the Saar. 1938 total includes all prewar Germany.

c 1935-39 average.

d Preliminary figure.

Table 69  
PRODUCTION OF COARSE GRAINS \*

Million Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	127	140	111	155	143	140	140	149	148	145	<sup>c</sup> 157
US.....	86.1	110	84.7	122	110	105	99.4	107	104	106	<sup>c</sup> 112
Sino-Soviet Bloc.....	101	.....	.....	.....	88.2	91.3	88.9	88.6	84.7	89.0	101
USSR.....	28.6	17.1	25.7	22.1	22.1	23.7	21.4	24.6	22.3	24.1	32.1
European Satellites..	20.1	11.6	15.4	17.0	17.2	15.3	17.4	12.9	15.0	15.4	17.5
Albania.....	<sup>d</sup> 0.144	0.148	0.154	0.161	0.154	0.142	0.180	0.111	0.143	0.138	0.148
Bulgaria.....	<sup>d</sup> 1.42	0.861	1.25	1.46	1.32	1.10	1.45	0.886	1.27	1.36	1.53
Czechoslovakia *..	<sup>d</sup> 2.36	1.93	1.58	1.83	2.09	1.92	2.07	2.03	2.22	2.06	2.28
East Germany *..	<sup>d</sup> 2.77	1.27	1.65	1.55	1.85	1.92	2.03	1.66	1.66	1.58	1.69
Hungary.....	<sup>d</sup> 3.28	2.06	2.05	3.70	3.67	2.91	3.46	1.98	3.04	2.65	3.31
Poland *.....	<sup>d</sup> 4.62	2.97	2.80	3.32	3.56	3.53	3.19	3.60	3.27	3.19	3.27
Rumania.....	<sup>d</sup> 5.52	2.34	5.88	4.98	4.54	3.74	5.03	2.65	3.38	4.47	5.31
China <sup>f</sup> .....	<sup>g</sup> 52.0	.....	.....	.....	48.7	52.3	50.0	51.0	47.5	49.5	51.0
North Korea.....	.....	0.165	0.176	0.156	0.191	.....	0.120	0.126	0.159	.....	.....
NATO COUNTRIES											
	1954	1955 <sup>c</sup>			1954	1955 <sup>c</sup>			1954	1955 <sup>c</sup>	
Belgium *.....	0.698	0.760	Italy.....	3.77	4.02	Portugal.....	0.635	0.520			
Canada.....	8.84	12.2	Luxembourg <sup>b</sup> .....	0.034	0.044	Turkey.....	3.64	4.42			
Denmark *.....	2.84	3.08	Netherlands *.....	0.672	0.839	UK *.....	4.76	5.73			
France.....	7.05	7.24	Norway *.....	0.393	0.316	West Germany *.....	4.40	4.56			
Greece.....	0.638	0.608									
OTHER MAJOR COUNTRIES											
Argentina.....	4.31	6.14	India.....	5.94	4.47	Spain.....	3.37	2.90			
World Total.....	265	285									

\* Consists of barley, oats, and corn except as noted.

<sup>b</sup> Excludes Iceland and the Saar. The 1938 total includes all prewar Germany.<sup>c</sup> Preliminary figures.<sup>d</sup> 1935-39 average.<sup>e</sup> Corn is either not produced or produced in insignificant quantities.<sup>f</sup> Figures include various products. In 1955, those included and their percentages of the total were: millet, 24 percent; corn, 23 percent; kaoliang, 21 percent; barley, 15 percent; broad beans, 6 percent; field peas, 6 percent; oats, 2 percent and sorghum and others, 3 percent.<sup>g</sup> 1931-37 average.<sup>h</sup> Oats only.

SECRET

SECRET

AGRICULTURE



62

AGRICULTURE

Table 70  
PRODUCTION OF BARLEY  
1938 and 1946-55

Thousand Metric Tons <sup>a</sup>

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup>	18,800	16,200	15,800	19,000	16,400	20,000	21,800	23,700	25,200	24,400	<sup>c</sup> 28,500
US	5,510	5,710	6,080	6,880	5,150	6,610	5,540	4,920	5,280	8,070	<sup>c</sup> 8,510
Sino-Soviet Bloc	14,400	7,610	10,400	11,200	11,500	11,400	10,800	11,600	11,000	11,600	10,500
USSR	8,900	4,600	6,900	7,000	6,900	6,800	6,300	7,400	6,600	7,600	5,800
European Satellites	5,510	2,960	3,460	4,180	4,520	4,590	4,430	4,110	4,320	3,980	4,680
Albania	<sup>d</sup> 5.0	7.3	5.0	6.0	6.0	5.6	9.0	7.0	8.5	8.5	8.5
Bulgaria	<sup>d</sup> 378	295	261	435	392	403	428	342	401	419	390
Czechoslovakia	<sup>d</sup> 1,130	907	806	925	1,090	1,000	1,050	1,070	1,200	1,050	1,300
East Germany	<sup>d</sup> 1,078	.....	550	550	650	719	573	581	598	535	616
Hungary	<sup>d</sup> 657	460	479	740	719	719	768	536	543	513	682
Poland	<sup>d</sup> 1,660	1,020	1,040	1,110	1,310	1,350	1,140	1,220	1,180	1,090	1,180
Rumania	<sup>d</sup> 610	272	327	414	359	395	457	259	390	360	500
China <sup>e</sup>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Korea	.....	49	52	55	76	.....	36	41	41	.....	.....

## NATO COUNTRIES

	1954	1955 <sup>e</sup>		1954	1955 <sup>e</sup>		1954	1955 <sup>e</sup>
Belgium	246	279	Greece	233	224	Portugal	121	87
Canada	3,820	5,490	Italy	277	291	Turkey	2,400	3,200
Denmark	2,040	2,200	Netherlands	207	264	UK	2,280	2,980
France	2,520	2,660	Norway	234	185	West Germany	1,920	2,080

## OTHER MAJOR COUNTRIES

Algeria	920	707	India	2,950	1,730	Japan	2,320	2,160
Argentina	1,110	980	Iran	824	880	Spain	2,140	1,730
French Morocco	2,030	1,250	Iraq	762	904			
World Total	61,800	62,800						

<sup>a</sup> Conversion factors for Free World data: one bushel of barley equals 48 pounds.<sup>b</sup> Excludes Iceland, Luxembourg, and the Saar. The 1938 figure includes all prewar Germany.<sup>c</sup> Preliminary figure.<sup>d</sup> 1935-39 average.<sup>e</sup> Barley is included in coarse grain total.

SECRET

SECRET

Table 71  
PRODUCTION OF OATS  
1938 and 1946-55

Thousand Metric Tons \*

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	38,700	37,200	30,400	38,400	35,800	38,200	38,300	37,100	35,900	37,800	<sup>c</sup> 40,800
US.....	15,500	21,700	17,600	21,700	19,300	20,500	19,100	18,300	17,600	21,700	<sup>e</sup> 22,900
Sino-Soviet Bloc.....	22,600	15,700	19,600	16,700	16,900	18,100	17,200	18,700	16,800	17,500	17,200
USSR.....	15,700	10,500	15,300	11,600	11,600	13,000	11,800	13,600	11,900	12,700	12,300
European Satellites.....	6,860	5,140	4,320	5,040	5,310	5,150	5,410	5,060	4,880	4,760	4,850
Albania.....	<sup>d</sup> 10.0	13.4	9.0	10.0	10.0	9.6	11.0	9.0	9.5	10.0	10.0
Bulgaria.....	<sup>d</sup> 131	142	102	131	131	131	140	104	124	130	122
Czechoslovakia.....	<sup>d</sup> 1,230	1,030	777	907	1,000	914	1,010	960	1,020	1,010	974
East Germany.....	<sup>d</sup> 1,690	1,270	1,100	1,000	1,200	1,200	1,450	1,080	1,060	1,040	1,080
Hungary.....	<sup>d</sup> 291	241	218	290	283	290	270	229	147	163	195
Poland.....	<sup>d</sup> 2,960	1,950	1,760	2,210	2,250	2,180	2,040	2,380	2,090	2,090	2,090
Rumania.....	<sup>d</sup> 544	495	348	501	435	427	477	301	420	312	388
China <sup>e</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Korea.....	.....	13	14	15	18	.....	9	10	11	.....	.....

## NATO COUNTRIES

	1954	1955 <sup>e</sup>		1954	1955 <sup>e</sup>		1954	1955 <sup>e</sup>
Belgium.....	452	481	Italy.....	545	528	Turkey.....	325	357
Canada.....	4,450	5,860	Luxembourg.....	33.8	44	UK.....	2,480	2,750
Denmark.....	799	870	Netherlands.....	465	575	West Germany.....	2,470	2,480
France.....	3,570	3,580	Norway.....	159	131			
Greece.....	150	157	Portugal.....	128	75.5			

## OTHER MAJOR COUNTRIES

Argentina.....	653	721	Finland.....	813	697	Spain.....	542	503
Australia.....	581	953	Ireland.....	508	530	Sweden.....	863	634
World Total.....	62,300	64,800						

\* Conversion factor for Free World data: one bushel of oats equals 32 pounds.

<sup>b</sup> Excludes Iceland and the Saar. The 1938 figure includes all prewar Germany.<sup>c</sup> Preliminary figure.<sup>d</sup> 1935-39 average.<sup>e</sup> Figures are included in total coarse grain production.

SECRET

SECRET

AGRICULTURE

64

AGRICULTURE

Table 72  
PRODUCTION OF CORN  
1938 and 1946-55

Thousand Metric Tons \*

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	69,900	86,500	64,900	97,800	90,300	82,200	80,200	88,400	87,100	82,500	° 87,300
US.....	65,100	82,600	61,000	93,500	85,800	77,700	74,700	83,300	81,100	76,500	° 80,900
Sino-Soviet Bloc.....	11,900	5,700	11,300	11,400	11,100	9,480	11,000	7,580	9,430	10,600	22,000
USSR.....	4,000	2,000	3,500	3,500	3,600	3,900	3,300	3,600	3,800	3,800	14,000
European Satellites.....	7,740	3,490	7,590	7,770	7,360	5,520	7,560	3,840	5,460	6,800	8,000
Albania.....	<sup>d</sup> 129	127	140	145	138	127	160	95	125	120	133
Bulgaria.....	<sup>d</sup> 906	424	885	889	800	566	880	440	744	808	1,020
Hungary.....	<sup>d</sup> 2,340	1,360	1,350	2,670	2,670	1,900	2,420	1,220	2,020	2,040	2,430
Rumania.....	<sup>d</sup> 4,370	1,580	5,210	4,070	3,750	2,920	4,100	2,090	2,570	3,800	4,420
China <sup>e</sup> .....											
North Korea.....		103	110	116	97		75	75	107		
North Vietnam.....	<sup>f</sup> 182	102	59	59	59	59	64	64	64		

## NATO COUNTRIES

	1954	1955 <sup>e</sup>		1954	1955 <sup>e</sup>		1954	1955 <sup>e</sup>
Canada.....	567	800	Greece.....	255	227	Portugal.....	386	358
France.....	955	999	Italy.....	2,950	3,200	Turkey.....	914	854

## OTHER MAJOR COUNTRIES

Argentina.....	2,550	4,440	India.....	2,990	2,740	Pakistan.....	447	424
Brazil.....	6,220	6,910	Indonesia.....	2,490		Spain.....	691	668
Egypt.....	1,750	1,700	Mexico.....	4,000	2,910	Union of South Africa.....	3,320	2,670
World Total.....	142,000	157,000						

\* Conversion factor for Free World data: one bushel of corn equals 56 pounds.

<sup>b</sup> The countries included are Canada, France, Greece, Italy, Portugal, Turkey and the US.<sup>c</sup> Preliminary figure.<sup>d</sup> 1935-39 average.<sup>e</sup> Corn is included in coarse grain total.<sup>f</sup> 1937-41 average.

SECRET

SECRET

SECRET

AGRICULTURE

Table 73  
**PRODUCTION OF RICE**  
 1938 and 1946-55

	1938 and 1946-55								Thousand Metric Tons *		
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	2,020	2,140	2,470	2,640	2,730	2,770	3,230	3,560	3,760	• 4,240	• 3,680
US.....	1,070	1,470	1,620	1,740	1,850	1,760	2,080	2,180	2,390	• 2,910	• 2,420
Sino-Soviet Bloc.	62,600	.....	.....	.....	55,300	57,500	61,800	67,300	68,400	60,700	66,300
USSR.....	400	200	200	200	200	200	200	200	200	200	200
European											
Satellites.	23.0	16.7	42.4	74.0	69.0	71.0	100	85.0	118	178	122
Albania....	<sup>d</sup> 1.0	0.4	0.4	1.0	1.0	1.0	3.0	3.0	4.0	6.7	9.9
Bulgaria....	<sup>d</sup> 21.0	10.8	20.0	21.0	22.0	19.0	27.0	23.0	24.0	25.0	24.0
Hungary....	0	0	10	36	30	35	40	37	64	98	30
Rumania....	<sup>d</sup> 1.0	5.5	12.0	16.0	16.0	16.0	30.0	22.0	26.0	48.0	58.0
China.....	• 60,000	.....	.....	.....	52,000	55,000	58,500	64,000	65,000	60,300	66,000
North Korea..	.....	909	963	1,020	873	.....	579	614	737	.....	.....
North Viet- nam.....	<sup>f</sup> 2,210	1,830	2,280	2,240	2,120	2,240	2,410	2,410	2,360	.....	.....

## NATO COUNTRIES

	1954 •	1955 •		1954 •	1955 •		1954 •	1955 •
France.....	59.0	79.4	Italy.....	869	860	Turkey.....	165	94.6
Greece.....	86.2	61.2	Portugal.....	144	166			

## OTHER MAJOR COUNTRIES

Brazil.....	3,490	3,630	Iran.....	526	322	Philippines.....	3,200	3,240
Burma.....	6,710	6,530	Japan.....	11,300	14,700	South Korea.....	3,270	3,180
Cambodia.....	1,090	1,130	Laos.....	352	499	South Vietnam....	1,100	1,130
Ceylon.....	726	659	Malaya.....	658	649	Taiwan.....	2,070	2,220
Egypt.....	1,120	1,930	Nepal.....	1,160	1,220	Thailand.....	5,710	7,980
India.....	38,100	39,900	Pakistan.....	12,800	12,000	Yugoslavia.....	25.8	24.9
Indonesia.....	11,000	11,300						
World Total *	180,000	192,000						

\* Conversion factor for Free World data: one bushel of rice equals 45 pounds.

<sup>b</sup> The countries included are France, Greece, Italy, Portugal, Turkey, and the US.

• Preliminary figures.

<sup>d</sup> 1935-39 average.

• 1931-37 average.

<sup>f</sup> 1937-41 average.

\* Excluding Communist China, North Korea, and the USSR.

SECRET

65

Table 74

## PRODUCTION OF POTATOES

1938 and 1946-55

Million Metric Tons \*

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	<sup>a</sup> 96.8	66.2	59.9	85.6	68.5	80.5	71.1	70.5	74.4	78.3	<sup>d</sup> 71.3
US.....	10.2	12.9	10.6	12.4	11.2	11.7	8.72	9.50	10.2	9.69	<sup>d</sup> 10.4
Sino-Soviet Bloc.....	177	103	120	114	157	172	154	164	175	179	180
USSR.....	<sup>a</sup> 73.8	62.9	71.5	65.0	70.0	72.4	60.0	69.0	69.0	67.2	66.5
European Satellites..	65.3	39.6	47.5	48.3	50.1	59.7	49.1	40.8	49.2	50.8	47.8
Albania.....	<sup>f</sup> 0.002	0.004	0.004	0.005	0.004	0.004	0.004	0.002	0.004	0.004	0.004
Bulgaria.....	<sup>f</sup> 0.113	0.062	0.103	0.103	0.095	0.082	0.103	0.062	0.090	0.085	0.127
Czechoslovakia....	<sup>f</sup> 10.1	9.16	4.68	6.58	6.39	7.48	6.53	4.51	5.07	5.10	7.92
East Germany.....	<sup>f</sup> 13.6	9.79	8.16	11.6	9.74	13.1	11.2	10.2	10.4	11.7	9.69
Hungary.....	<sup>f</sup> 2.17	1.14	2.06	2.07	1.90	1.22	2.02	0.982	1.65	1.88	2.08
Poland.....	<sup>f</sup> 38.0	18.7	30.8	26.8	30.9	36.8	27.2	23.7	30.4	30.4	25.8
Rumania.....	<sup>f</sup> 1.31	0.742	1.63	1.22	1.09	1.01	2.12	1.35	1.59	1.64	2.19
China <sup>e</sup> .....	<sup>b</sup> 38.0	.....	.....	.....	36.0	40.0	44.0	54.0	56.0	61.2	66.0
North Korea <sup>i</sup> .....	.....	0.515	0.545	0.575	0.595	.....	0.556	0.628	0.628	.....	.....
North Vietnam <sup>j</sup> .....	<sup>f</sup> 0.131	.....	.....	.....	0.150	0.150	0.150	0.150	0.150	.....	.....

## NATO COUNTRIES

	1954	1955 <sup>d</sup>		1954	1955 <sup>d</sup>		1954	1955 <sup>d</sup>
Belgium <sup>k</sup> .....	2.77	2.18	Iceland.....	0.010	0.009	Portugal.....	1.04	1.09
Canada.....	1.41	1.73	Italy.....	3.18	3.20	Turkey.....	1.04	1.05
Denmark.....	1.94	1.34	Luxembourg <sup>k</sup> .....	.....	.....	UK.....	7.44	6.62
France.....	17.0	15.2	Netherlands.....	4.38	4.06	West Germany.....	26.8	22.8
Greece.....	0.452	0.450	Norway.....	1.16	1.12			

## OTHER MAJOR COUNTRIES

Austria.....	2.79	2.89	Japan.....	2.71	2.88	Switzerland.....	1.52	0.90
Finland.....	1.09	1.05	Spain.....	3.94	4.00	Yugoslavia.....	1.86	2.10
Ireland.....	2.28	2.20	Sweden.....	1.43	1.41			

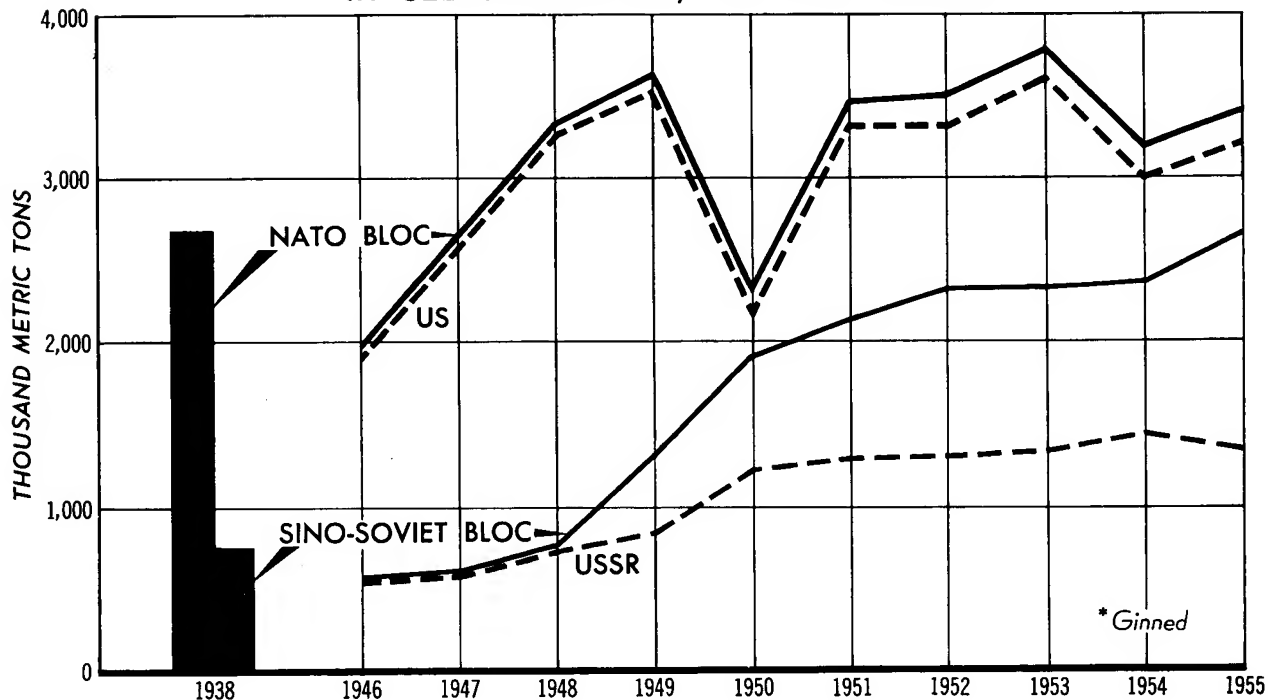
\* Conversion factors for Free World data: one bushel of potatoes equals 60 pounds.

<sup>b</sup> Excludes the Saar.<sup>c</sup> Includes all prewar Germany.<sup>d</sup> Preliminary figure.<sup>e</sup> 1933-37 average.<sup>f</sup> 1935-39 average.<sup>g</sup> Includes both sweet and Irish potatoes, yams, taro, and the like.<sup>h</sup> 1931-37 average.<sup>i</sup> Includes both sweet and white potatoes.<sup>j</sup> Sweet potatoes only.<sup>k</sup> The production of Luxembourg is included with that of Belgium.

**SECRET**

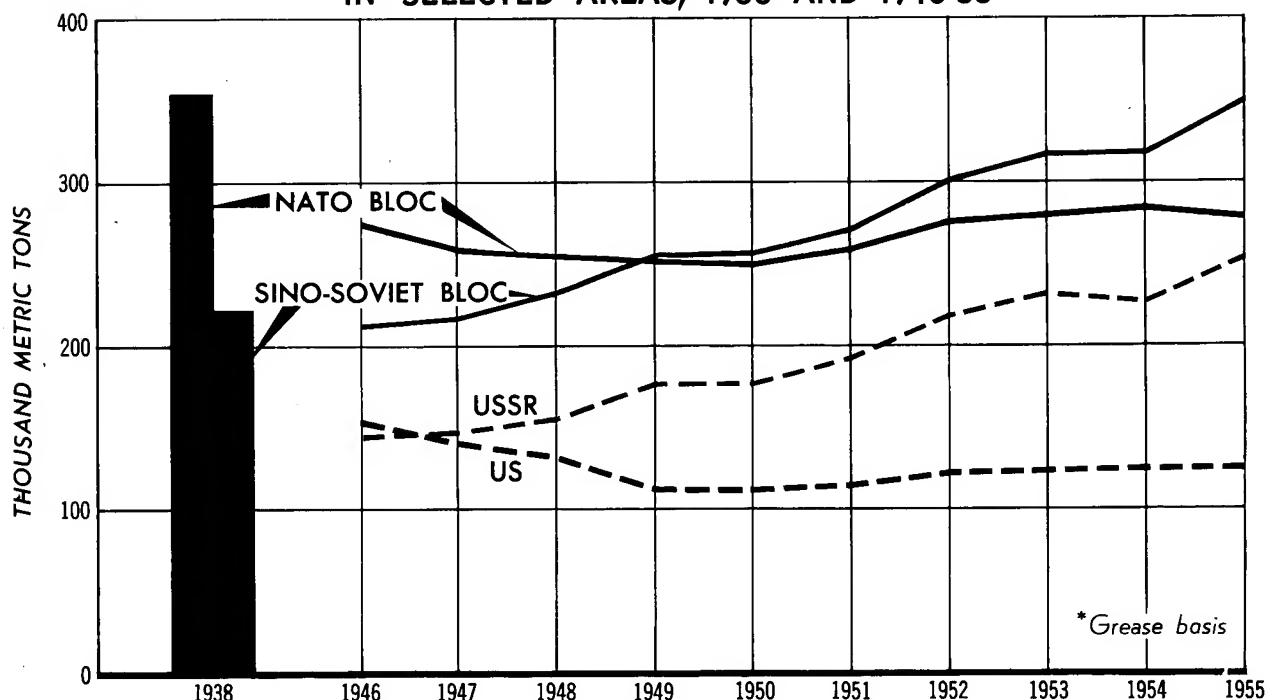
Figure 11

**COMPARISON OF TOTAL PRODUCTION OF COTTON\***  
**IN SELECTED AREAS, 1938 AND 1946-55**



**COMPARISON OF TOTAL PRODUCTION OF WOOL\***  
**IN SELECTED AREAS, 1938 AND 1946-55**

Figure 12



25700 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

SECRET

AGRICULTURE

Table 75  
PRODUCTION OF COTTON (GINNED)  
1938 and 1946-55

	1938 and 1946-55								Thousand Metric Tons <sup>a</sup>			
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
NATO <sup>b</sup> .....	2,690	1,950	2,650	3,320	3,630	2,330	3,460	3,480	3,760	<sup>c</sup> 3,180	<sup>c</sup> 3,400	
US.....	2,600	1,880	2,580	3,240	3,510	2,180	3,300	3,300	3,580	<sup>c</sup> 2,980	<sup>c</sup> 3,200	
Sino-Soviet Bloc.....	739	536	591	750	1,300	1,900	2,110	2,310	2,300	2,350	2,660	
USSR.....	732	518	574	730	825	1,210	1,270	1,280	1,310	1,430	1,320	
European Satellites..	7.10	9.90	9.10	10.0	11.7	17.6	24.1	19.1	24.6	32.8	32.8	
Albania <sup>d</sup> .....	.....	.....	.....	.....	1.40	2.50	1.70	2.80	3.10	4.30	4.30	
Bulgaria.....	<sup>e</sup> 7.00	8.80	6.10	6.50	7.50	8.10	12.5	10.0	14.0	18.5	18.5	
Hungary.....	.....	.....	.....	.....	0.03	0.97	2.40	0.80	2.50	2.50	2.50	
Rumania.....	<sup>e</sup> 0.10	1.10	3.00	3.50	2.80	6.00	7.50	5.50	5.00	7.50	7.50	
China.....	<sup>f</sup> 658	.....	.....	.....	457	675	814	1,000	963	884	1,310	
North Korea.....	.....	6.72	7.16	9.11	9.32	.....	3.69	3.69	6.94	.....	.....	
North Vietnam <sup>g</sup> .....	<sup>h</sup> 1.07	0.997	0.808	0.619	0.430	0.240	0.240	0.240	0.240	.....	.....	

## NATO COUNTRIES

	1954 <sup>c</sup> 1955 <sup>c</sup>			1954 <sup>c</sup> 1955 <sup>c</sup>			1954 <sup>c</sup> 1955 <sup>c</sup>	
Greece.....	41.4	56.6	Italy.....	9.58	13.7	Turkey.....	142	131

## OTHER MAJOR COUNTRIES

Argentina.....	113	109	India.....	958	827	Peru.....	108	109
Brazil.....	359	392	Mexico.....	388	472	Sudan.....	87.7	91.2
Egypt.....	348	334	Pakistan.....	283	283			
World Total.....	8,400	8,560						

<sup>a</sup> Conversion factor for Free World data: one bale of cotton equals 480 pounds (net weight).

<sup>b</sup> The countries included are Greece, Italy, Turkey, and the US.

<sup>c</sup> Preliminary figures.

<sup>d</sup> Ginning percentage estimated at 35-37 percent.

<sup>e</sup> 1934-38 average.

<sup>f</sup> 1937-41 average.

<sup>g</sup> Raw cotton.

<sup>h</sup> 1931-37 average.

SECRET

67



## AGRICULTURE

## SECRET

Table 76

## PRODUCTION OF WOOL (GREASE BASIS)

	1938 and 1946-55								Thousand Metric Tons			
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
NATO <sup>a</sup> .....	354	275	257	253	250	249	258	273	279	283	<sup>b</sup> 278	
US.....	198	155	140	132	113	112	114	121	124	125	<sup>b</sup> 125	
Sino-Soviet Bloc.....	221	211	215	230	252	254	269	298	314	316	347	
USSR.....	130	145	145	155	175	175	190	215	230	225	250	
European Satellites.....	50.4	32.1	36.0	40.6	43.3	44.5	45.3	49.1	49.7	55.9	60.7	
Albania.....	2.00	2.20	2.20	2.20	2.20	2.20	2.30	2.40	2.50	2.60	2.70	
Bulgaria.....	13.3	10.6	12.0	12.4	12.8	13.2	13.3	13.4	13.5	13.6	14.4	
Czechoslovakia.....	1.10	0.60	0.75	0.85	0.95	1.17	1.17	1.50	1.50	2.00	2.90	
East Germany.....	6.20	3.00	3.00	3.00	3.00	2.90	3.26	3.69	4.12	4.49	5.00	
Hungary.....	6.20	1.10	1.50	2.00	2.20	2.20	2.83	3.26	3.26	3.83	4.49	
Poland.....	3.10	1.10	1.50	1.80	2.10	2.60	3.40	5.20	6.70	9.20	9.60	
Rumania.....	18.5	13.5	15.0	18.4	20.0	20.2	19.0	19.6	18.1	20.2	21.6	
China.....	40.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.7	35.4	36.1	

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Canada.....	3.90	4.10	Netherlands.....	1.80	1.60	Turkey.....	36.2	36.7
France.....	22.0	22.0	Norway.....	3.60	3.60	UK.....	49.0	45.3
Greece.....	10.5	10.6	Portugal.....	10.3	10.3	West Germany.....	5.76	4.99
Italy.....	14.9	14.0						

## OTHER MAJOR COUNTRIES

Argentina.....	166	162	New Zealand.....	206	209	Uruguay.....	90.0	90.0
Australia.....	584	635	Spain.....	40.0	36.0	Yugoslavia.....	16.6	16.5
India.....	31.8	32.6	Union of South Africa.....	136	139			
World Total.....	2,050	2,120						

<sup>a</sup> The countries included are Canada, France, Greece, Italy, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany.

<sup>b</sup> Preliminary figures.

Table 77  
PRODUCTION OF SUGAR BEETS  
1938 and 1946-55

Million Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	49.7	.....	30.5	37.0	40.3	53.5	48.6	46.2	53.4	54.2	<sup>b</sup> 51.8
US.....	<sup>a</sup> 9.78	.....	11.3	8.55	9.25	12.3	9.51	9.38	11.0	12.8	<sup>b</sup> 11.1
Sino-Soviet Bloc.....	35.5	15.8	19.2	28.7	31.0	40.6	42.4	37.3	43.0	41.3	53.0
USSR.....	<sup>d</sup> 18.1	3.50	8.60	13.0	15.5	20.6	23.5	22.0	22.9	19.6	30.3
European Satellites.....	17.4	12.3	10.6	15.7	15.3	19.8	18.6	14.8	19.6	20.7	21.1
Albania.....	.....	.....	.....	.....	.....	0.006	0.052	0.036	0.054	0.050	0.057
Bulgaria.....	<sup>d</sup> 0.152	0.242	0.125	0.495	0.360	0.300	0.408	0.325	0.467	0.425	0.479
Czechoslovakia.....	<sup>d</sup> 4.05	4.34	2.07	3.80	3.72	5.00	4.54	3.65	4.27	4.43	4.90
East Germany.....	<sup>d</sup> 6.08	4.06	3.12	4.58	3.87	5.73	5.88	3.93	5.00	6.00	4.94
Hungary.....	<sup>d</sup> 0.886	0.516	1.16	1.77	1.81	1.72	1.74	1.40	2.02	1.93	2.22
Poland.....	<sup>d</sup> 5.67	2.92	3.50	4.23	4.79	6.34	5.08	4.78	6.88	6.82	6.77
Rumania.....	<sup>d</sup> 0.564	0.259	0.617	0.825	0.800	0.727	0.916	0.697	0.888	1.08	1.74
China.....	.....	.....	.....	.....	0.190	0.184	0.308	0.480	0.505	0.990	<sup>a</sup> 1.60

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Belgium <sup>c</sup> .....	2.13	2.31	France.....	12.3	11.0	Turkey.....	1.16	1.50
Canada.....	0.911	0.803	Italy.....	6.59	6.70	UK.....	4.60	4.32
Denmark.....	1.43	1.93	Netherlands.....	3.10	2.90	West Germany.....	9.25	9.22

## OTHER MAJOR COUNTRIES

Austria.....	1.38	1.39	Sweden.....	1.85	1.47	Yugoslavia.....	1.25	1.25
Spain.....	1.81	2.00						

<sup>a</sup> The countries included are Belgium and Luxembourg, Canada, Denmark, France, Italy, the Netherlands, Turkey, the UK, the US, and West Germany. 1939 substituted for 1938 total; 1939 includes all prewar Germany.

<sup>b</sup> Preliminary figure.

<sup>c</sup> 1939.

<sup>d</sup> 1935-39 average.

<sup>e</sup> Plan figure.

<sup>f</sup> Includes Luxembourg.

SECRET

SECRET

AGRICULTURE

## AGRICULTURE

## SECRET

Table 78

PRODUCTION OF VEGETABLE OILS <sup>a</sup>

Country	1938 and 1946-55								Thousand Metric Tons		
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc.....	995	449	584	749	922	1,870	2,170	2,320	2,470	2,550	2,680
USSR.....	858	315	390	515	680	780	870	950	1,100	1,220	1,120
European Satellites.....	137	134	194	234	242	243	315	235	297	248	301
Albania.....	2.7	1.4	3.2	2.2	3.9	2.7	5.2	2.6	5.0	3.0	2.4
Bulgaria.....	47.0	20.7	32.8	32.7	33.0	33.5	40.3	28.8	35.0	32.0	32.0
Czechoslovakia.....	11.0	14.3	9.8	12.6	12.9	13.0	15.5	12.6	13.0	12.1	12.0
East Germany.....	14.0	.....	.....	.....	.....	49.2	53.1	52.3	53.0	38.2	50.1
Hungary.....	12.0	54.6	53.6	93.9	93.5	43.2	82.6	39.2	63.0	50.0	60.0
Poland.....	20.0	11.8	22.4	24.9	41.0	54.1	54.3	50.6	58.6	50.1	55.8
Rumania.....	30.0	31.5	71.9	67.3	57.9	47.1	63.9	48.6	69.0	63.0	89.0
China <sup>b</sup> .....	.....	.....	.....	.....	.....	847	981	1,130	1,070	1,080	1,260
North Vietnam.....	<sup>c</sup> 2.2	2.5	2.4	2.4	2.3	2.3	2.5	2.3	2.3	.....	.....

<sup>a</sup> Edible and non-edible oils.<sup>b</sup> Includes soy bean, peanut, rapeseed, sesame, and cottonseed oil.<sup>c</sup> 1937-41 average.

Table 79  
NUMBER OF HORSES  
1938 and 1946-55

1938 and 1946-55											Thousand Head	
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
NATO <sup>a</sup> .....	23,200	.....	17,500	16,700	15,900	15,300	14,200	13,200	12,300	<sup>b</sup> 10,500	<sup>b c</sup> 7,020	
US.....	<sup>d</sup> 10,600	.....	7,250	6,590	5,900	5,550	4,990	4,330	3,800	<sup>b</sup> 3,400	<sup>b</sup> 3,110	
Sino-Soviet Bloc.....	33,100	19,100	19,800	20,800	21,900	23,000	23,900	25,100	25,400	26,300	27,000	
USSR.....	19,900	10,500	10,800	11,300	12,000	12,700	13,700	14,700	15,300	16,200	17,000	
European Satellites.....	7,630	4,750	5,110	5,650	6,060	6,390	6,330	6,500	6,240	6,230	6,200	
Albania.....	54.4	55.0	55.0	53.0	50.0	51.0	52.0	52.0	52.0	53.0	55.0	
Bulgaria.....	<sup>e</sup> 532	468	494	508	549	531	513	495	477	460	460	
Czechoslovakia.....	654	649	653	630	640	640	630	630	620	620	620	
East Germany.....	<sup>f</sup> 810	590	642	650	665	694	718	743	750	731	695	
Hungary.....	<sup>d</sup> 939	401	464	516	569	600	580	620	620	620	620	
Poland.....	<sup>d</sup> 3,150	1,730	2,020	2,300	2,540	2,800	2,780	2,860	2,720	2,720	2,720	
Rumania.....	<sup>d</sup> 1,490	857	787	998	1,050	1,080	1,060	1,100	1,000	1,020	1,020	
China.....	<sup>e</sup> 5,550	3,850	3,850	3,850	3,850	3,850	3,850	3,850	3,850	3,850	3,850	
North Korea.....	.....	13.1	11.8	11.2	11.8	12.4	9.00	11.0	18.0	.....	.....	
North Vietnam.....	<sup>b</sup> 33.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

## NATO COUNTRIES

	1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>
Belgium.....	211	205	Italy.....	733	706	Portugal.....	70	.....
Canada.....	1,100	.....	Luxembourg.....	13	13	Turkey.....	1,220	1,200
Denmark.....	399	358	Netherlands.....	249	242	UK.....	370	300
France.....	2,330	2,300	Norway.....	168	159	West Germany.....	1,360	1,270
Greece.....	315	318						

## OTHER MAJOR COUNTRIES

Brazil.....	7,110	7,060	Japan.....	1,090	1,020	Yugoslavia.....	1,120	1,190
World Total.....	76,100	75,200						

<sup>a</sup> The countries included are Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, the Saar, Turkey, the UK, the US and West Germany. 1938 total is an average prewar figure and includes all of Germany.

<sup>b</sup> Preliminary figure.

<sup>c</sup> Includes only Belgium, France, Greece, Luxembourg, the US, and West Germany.

<sup>d</sup> 1939.

<sup>e</sup> 1935-39 average.

<sup>f</sup> 1936.

<sup>g</sup> 1931-37 average.

<sup>h</sup> 1936-38 average.

SECRET

SECRET

AGRICULTURE

72

Table 80  
NUMBER OF CATTLE  
1938 and 1946-55

Million Head

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	146	155	154	151	151	152	157	164	172	<sup>b</sup> 175	<sup>b</sup> 177
US.....	66.1	82.4	81.2	78.6	78.3	78.0	82.1	88.1	94.2	<sup>b</sup> 95.1	<sup>b</sup> 96.6
Sino-Soviet Bloc.....	111	87.6	88.5	93.7	99.9	107	106	109	114	116	118
USSR <sup>c</sup> .....	59.2	47.6	47.0	50.1	54.8	58.1	57.1	58.8	63.0	64.9	67.1
European Satellites.....	25.5	16.6	17.9	19.8	21.0	23.0	22.3	23.7	23.9	23.9	24.2
Albania <sup>d</sup> .....	0.413	0.330	0.367	0.400	0.409	0.392	0.388	0.392	0.390	0.399	0.407
Bulgaria.....	<sup>e</sup> 1.82	1.37	1.44	1.60	1.75	1.75	1.50	1.58	1.51	1.57	1.60
Czechoslovakia.....	<sup>f</sup> 4.38	4.14	3.98	3.28	3.66	4.14	4.21	4.21	4.21	4.00	4.00
East Germany.....	<sup>g</sup> 3.58	2.40	2.77	2.78	2.88	3.31	3.62	3.80	3.88	3.80	3.79
Hungary.....	1.88	1.10	1.44	1.68	1.70	1.80	1.75	1.90	1.72	1.72	1.72
Poland.....	9.92	3.91	4.75	5.75	6.36	7.20	6.50	7.26	7.38	7.68	7.90
Rumania.....	<sup>h</sup> 3.54	3.33	3.11	4.28	4.28	4.38	4.38	4.57	4.77	4.77	4.80
China.....	<sup>i</sup> 26.0	22.7	23.0	23.2	23.4	25.2	26.0	26.0	26.5	27.0	27.0
North Korea.....		0.690	0.651	0.632	0.696	0.797	.....	0.480	0.490	.....	.....
North Vietnam.....	<sup>j</sup> 0.425	.....	.....	.....	.....	0.082	0.092	.....	.....	.....	.....

## NATO COUNTRIES

	1954 <sup>b</sup>	1955 <sup>b</sup>		1954 <sup>b</sup>	1955 <sup>b</sup>		1954 <sup>b</sup>	1955 <sup>b</sup>
Belgium.....	2.21	2.25	Greece.....	0.990	1.01	Norway.....	1.18	1.17
Canada.....	9.37	9.47	Italy.....	8.99	9.03	Turkey.....	11.8	12.0
Denmark.....	3.00	3.09	Luxembourg.....	.....	0.127	UK.....	10.7	10.7
France.....	16.9	17.3	Netherlands.....	3.03	2.98	West Germany.....	11.6	11.5

## OTHER MAJOR COUNTRIES

Argentina.....	42.0	44.0	India.....	208	209	Uruguay.....	7.82	6.70
Australia.....	15.6	15.8	Indonesia.....	8.97	9.09	Yugoslavia.....	5.17	5.34
Brazil.....	57.6	61.4	Mexico.....	15.0	15.8			
World Total.....	896	912						

<sup>a</sup> The countries included are Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Saar, Turkey, the UK, the US, and West Germany. The 1938 total is an average of prewar production in each country which also includes all of prewar Germany. Production figures for 1952-55 do not include data for the Saar, Iceland, and Portugal.

<sup>b</sup> Preliminary figures.

<sup>c</sup> Numbers are as of 1 January for 1938 and 1946-52, and as of 1 October for 1953-55.

<sup>d</sup> Includes buffalo.

<sup>e</sup> 1935-39 average.

<sup>f</sup> 1937.

<sup>g</sup> 1934-38 average.

<sup>h</sup> 1935-37 average.

<sup>i</sup> 1936-38 average.

AGRICULTURE

SECRET

Table 81  
NUMBER OF HOGS  
1938 and 1946-55

										Million Head
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954 1955
NATO <sup>a</sup>	92.3	87.9	85.6	84.0	88.2	95.1	103	105	95.2	89.1 <sup>b</sup> 97.3
US	44.2	61.3	56.9	55.0	57.1	58.9	62.3	62.1	51.8	45.1 <sup>b</sup> 50.5
Sino-Soviet Bloc	131	76.1	82.4	86.6	96.8	113	115	121	145	147 154
USSR <sup>c</sup>	31.6	10.6	8.7	9.7	15.2	22.2	24.4	27.1	47.6	51.1 52.2
European Satellites	25.6	11.1	14.0	14.4	18.0	24.8	24.9	28.5	31.3	29.3 34.2
Albania	0.015	0.015	0.027	0.026	0.022	0.030	0.047	0.055	0.044	0.065 0.072
Bulgaria	<sup>d</sup> 0.833	0.800	0.870	0.825	1.07	1.32	1.50	1.44	1.39	1.33 1.33
Czechoslovakia	<sup>d</sup> 3.17	2.36	2.94	2.57	3.24	4.14	3.80	4.20	3.31	3.31 3.88
East Germany	<sup>e</sup> 5.74	1.18	1.97	2.07	2.62	3.31	5.46	6.56	8.28	6.86 8.37
Hungary	<sup>d</sup> 3.62	1.32	2.12	2.35	3.25	5.50	4.30	4.70	4.95	4.40 5.80
Poland	9.68	4.00	4.70	5.10	6.12	8.12	7.32	8.55	9.73	9.73 10.9
Rumania	<sup>f</sup> 2.51	1.39	1.38	1.46	1.70	2.40	2.50	3.00	3.55	3.65 3.86
China	71.9	54.0	59.2	62.0	63.0	65.0	65.0	65.0	66.0	67.0 68.0
North Korea		0.396	0.413	0.457	0.547	0.625		0.317	0.333	
North Vietnam	<sup>g</sup> 2.11					0.143	0.859			

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Belgium	1.26	1.33	Greece	0.603	0.620	Norway	0.406	0.464
Canada	4.72	5.42	Italy	4.37	3.74	UK	6.25	5.85
Denmark	4.46	4.81	Luxembourg	0.120	0.117	West Germany	12.4	14.5
France	7.33	7.57	Netherlands	2.06	2.33			

## OTHER MAJOR COUNTRIES

Brazil	32.7	35.6	Mexico	7.50	7.75	Yugoslavia	4.31	
World Total	354	370						

<sup>a</sup> The countries included are Belgium, Canada, Denmark, France, Greece, Italy, Luxembourg, the Netherlands, Norway, the UK, the US, and West Germany. The Saar is included for 1938, 1947-51.

<sup>b</sup> Preliminary figure.

<sup>c</sup> Numbers are as of 1 January for 1938 and 1946-52, and as of 1 October for 1952-55.

<sup>d</sup> 1935-39 average.

<sup>e</sup> 1934-38 average.

<sup>f</sup> 1935-37 average.

<sup>g</sup> 1936-38 average.

SECRET

SECRET

AGRICULTURE

Table 82  
NUMBER OF SHEEP  
1938 and 1946-55

Million Head

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup>	139	114	106	107	108	104	109	109	112	113	<sup>b</sup> 113
US	52.7	42.4	37.8	35.3	31.7	29.8	30.6	32.0	31.9	31.4	<sup>b</sup> 31.6
Sino-Soviet Bloc	118	104	107	120	129	137	142	152	181	183	191
USSR <sup>c</sup>	73.1	70.0	69.3	76.8	85.6	93.6	99.0	108	140	137	143
European Satellites	25.6	18.2	20.7	24.6	25.2	25.5	25.2	26.4	27.0	28.2	29.6
Albania	1.57	1.70	1.84	1.84	1.73	1.64	1.71	1.62	1.62	1.74	1.81
Bulgaria	<sup>d</sup> 8.75	7.18	8.78	8.80	8.94	8.67	8.40	8.14	7.87	7.60	7.70
Czechoslovakia	<sup>e</sup> 0.486	0.510	0.491	0.386	0.459	0.480	0.530	0.696	0.700	0.892	0.892
East Germany	<sup>f</sup> 1.60	0.749	0.748	0.685	0.723	0.898	1.09	1.24	1.42	1.55	1.71
Hungary	<sup>g</sup> 1.87	0.306	0.488	0.591	0.650	0.765	0.727	0.987	0.987	1.09	1.29
Poland	1.94	0.727	0.983	1.41	1.62	1.84	2.16	2.87	3.33	4.16	4.20
Rumania	<sup>h</sup> 9.37	7.00	7.34	10.9	11.1	11.2	10.6	10.9	11.1	11.2	12.0
China	<sup>i</sup> 19.8	15.7	16.8	18.1	18.0	17.8	17.6	17.6	17.9	18.3	18.7
North Korea <sup>c</sup>		<sup>j</sup> 0.031	0.009	0.007	0.008	0.008					
North Vietnam	<sup>k</sup> 0.008										

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Belgium	0.110	0.104	Greece	8.74	8.94	Norway	1.95	1.92
Canada	1.16	1.18	Iceland	0.544	0.545	Turkey	26.6	26.8
Denmark	0.037	0.032	Italy	9.89	9.75	UK	22.9	23.0
France	7.83	8.01	Netherlands	0.407	0.378	West Germany	1.35	1.23

## OTHER MAJOR COUNTRIES

Argentina	51.5		French Morocco	13.3		Union of South Africa	37.1	
Australia	127	131	Iran	17.8	18.0	Uruguay	26.6	27.0
Brazil	16.8	17.5	New Zealand	38.0	39.1	Yugoslavia	12.1	12.0
Ethiopia	19.5		Spain	17.2				
World Total	874	894						

<sup>a</sup> The countries included are Belgium, Canada, Denmark, France, Greece, Iceland, Italy, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany. Portugal not included in years 1952-55.

<sup>b</sup> Preliminary figure.

<sup>c</sup> Sheep and goats combined. Numbers are as of 1 January for 1938 and 1946-52; and as of 1 October for 1953-55.

<sup>d</sup> 1935-39 average. <sup>e</sup> 1937. <sup>f</sup> 1936. <sup>g</sup> 1939. <sup>h</sup> 1935-37 average. <sup>i</sup> 1945. <sup>j</sup> 1936-38 average.

Table 83

## PRODUCTION OF FUELWOOD

1938 and 1946-55

Million Cubic Meters

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO *	101	144	136	125	132	122	111	105	103	.....	.....
US.....	30.0	56.2	50.3	46.9	60.9	52.0	60.9	54.4	50.6	.....	.....
Sino-Soviet Bloc.....	258	244	228	225	223	229	227	220	218	212	210
USSR.....	212	190	180	175	175	180	182	175	170	165	160
European Satellites.....	35.0	37.4	31.6	33.5	31.4	30.0	30.0	29.2	29.2	28.6	28.0
Albania.....	1.00	1.40	1.50	1.50	1.71	1.80	1.80	1.85	1.85	1.85	1.85
Bulgaria.....	3.00	3.00	3.90	4.50	4.50	5.00	6.00	6.90	7.50	7.50	7.50
Czechoslovakia.....	3.50	4.07	3.65	3.32	3.77	3.49	3.25	3.00	2.75	2.50	2.50
East Germany.....	6.00	9.60	9.20	8.00	6.00	5.00	4.75	4.00	3.75	3.50	3.50
Hungary.....	2.70	3.64	2.40	2.30	2.20	2.20	2.20	2.10	2.05	2.00	2.00
Poland.....	6.80	3.70	3.00	4.40	4.20	4.00	4.00	3.90	3.80	3.70	3.70
Rumania.....	12.0	12.0	8.00	9.50	9.00	8.50	8.00	7.50	7.50	7.50	7.00
China.....	10.0	13.0	13.0	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0
North Korea.....	.....	3.80	3.80	3.80	3.50	3.50	.....	.....	3.70	3.60	3.60
North Vietnam.....	0.614	.....	.....	.....	.....	0.327	0.277	0.233	.....	.....	.....

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium <sup>b</sup> .....	0.44	.....	Greece.....	3.83	.....	Portugal.....	2.99	.....
Canada.....	10.3	.....	Italy.....	8.91	.....	Turkey.....	8.39	.....
Denmark.....	0.62	.....	Netherlands.....	0.19	.....	UK.....	0.39	.....
France.....	9.30	.....	Norway.....	2.08	.....	West Germany.....	5.38	6.04

## OTHER MAJOR COUNTRIES

Argentina.....	12.8	.....	Colombia.....	5.12	.....	Sweden.....	7.90	.....
Brazil.....	90.0	.....	Finland.....	8.70	.....	Switzerland.....	1.55	.....
Chile.....	3.21	.....	Spain.....	4.88	.....			
World Total.....	600	.....						

\* The countries included are Belgium, Canada, Denmark, France, Greece, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany.

<sup>b</sup> Belgium and Luxembourg.

SECRET

SECRET

AGRICULTURE



76

AGRICULTURE

Table 84  
PRODUCTION OF INDUSTRIAL WOOD  
1938 and 1946-53

Million Cubic Meters

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO *	279	332	344	365	328	353	362	363	361	.....	.....
US.....	170	216	219	233	204	231	231	232	236	.....	.....
Sino-Soviet Bloc.....	161	121	140	176	198	211	243	256	274	310	294
USSR.....	119	80	101	134	154	162	193	205	215	245	225
European Satellites.....	31.3	32.9	31.0	34.1	35.4	37.1	39.1	39.5	41.1	42.7	42.7
Albania.....	0.02	0.05	0.09	0.16	0.20	0.26	0.33	0.44	0.56	0.59	0.59
Bulgaria.....	0.70	1.00	1.30	1.50	2.00	2.00	2.35	2.70	3.00	3.25	3.25
Czechoslovakia.....	9.50	7.00	6.85	7.18	7.98	8.51	8.50	8.50	8.25	8.00	8.00
East Germany.....	10.0	9.30	9.70	10.5	9.60	9.60	10.4	9.60	9.40	9.40	9.40
Hungary.....	0.40	0.78	0.60	0.70	0.80	0.80	0.80	0.90	0.95	1.00	1.00
Poland.....	10.0	8.80	8.50	8.57	8.84	9.43	9.80	10.2	10.6	10.6	10.6
Rumania.....	7.0	6.0	4.0	5.5	6.0	6.5	6.9	7.2	8.3	9.9	9.9
China.....	10.0	7.0	7.0	7.0	7.0	10.0	10.7	11.9	16.7	20.0	24.0
North Korea.....	.....	1.00	1.10	1.20	1.70	1.83	.....	.....	1.50	1.75	2.00
North Vietnam.....	0.385	.....	.....	.....	.....	0.078	0.088	0.098	.....	.....	.....

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium <sup>b</sup> .....	2.14	.....	Greece.....	0.23	.....	Portugal.....	1.41	.....
Canada.....	75.5	.....	Italy.....	3.94	.....	Turkey.....	1.11	.....
Denmark.....	1.38	.....	Netherlands.....	0.45	.....	UK.....	2.84	.....
France.....	11.2	.....	Norway.....	7.27	.....	West Germany.....	17.0	.....

## OTHER MAJOR COUNTRIES

Argentina.....	3.16	.....	Colombia.....	1.34	.....	Sweden.....	29.7	.....
Brazil.....	4.92	.....	Finland.....	22.1	.....	Switzerland.....	2.35	.....
Chile.....	2.53	.....	Spain.....	2.65	.....			
World Total.....	764	.....						

\* The countries included are Belgium, Canada, Denmark, France, Greece, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany.

<sup>b</sup> Belgium and Luxembourg.

SECRET

SECRET

AGRICULTURE

Table 85  
FISH CATCH  
1938 and 1946-55

Country	Thousand Metric Tons										
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	7,630	.....	7,260	8,210	8,100	8,280	8,900	8,910	8,920	<sup>b</sup> 8,790	.....
US.....	2,250	.....	2,280	2,410	2,500	2,590	2,360	2,390	2,440	<sup>b</sup> 2,540	.....
Sino-Soviet Bloc.....	3,270	.....	.....	.....	2,910	2,740	3,460	3,950	4,080	4,660	5,320
USSR.....	1,600	1,170	1,500	1,530	1,870	1,740	2,120	2,090	2,160	2,460	2,680
European Satellites..	190	.....	.....	48.2	59.3	86.2	88.0	152	182	202	238
Albania.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.8
Bulgaria.....	<sup>c</sup> 3	.....	.....	.....	.....	.....	.....	5	5	5	4
Czechoslovakia....	<sup>c</sup> 3	.....	.....	.....	.....	.....	.....	5	5	5	5
East Germany.....	<sup>c</sup> 18	.....	.....	.....	.....	.....	.....	30	56	60	85
Hungary.....	<sup>c</sup> 7	.....	.....	.....	.....	.....	.....	4.5	5.0	5.5	6.0
Poland.....	<sup>c</sup> 150	.....	.....	48.2	59.3	66.2	71.8	86.8	89.4	100	107
Rumania.....	<sup>c</sup> 10	.....	.....	.....	.....	20	16.2	20.4	21.4	26.8	26.8
China.....	<sup>d</sup> 1,480	.....	.....	.....	450	911	1,250	1,710	1,740	2,000	2,400

## NATO COUNTRIES

	1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>		1953	1954 <sup>b</sup>
Belgium.....	74.4	65.7	Iceland.....	425	384	Portugal.....	392	307
Canada.....	661	652	Italy.....	214	198	Turkey.....	102	...
Denmark.....	343	352	Netherlands.....	343	301	UK.....	1,120	981
France.....	520	445	Norway.....	1,510	1,860	West Germany.....	730	642
Greece.....	52	60						

## OTHER MAJOR COUNTRIES

Japan.....	4,260	4,540	Spain.....	635	578
------------	-------	-------	------------	-----	-----

<sup>a</sup> The countries included are: Belgium, Canada, Denmark, France, Greece, Iceland, Italy, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany. The 1938 total includes all prewar Germany. The figures cover, as far as possible, both sea and inland fisheries. Most of the data, and virtually all those for 1938 and 1947-53 are expressed in terms of live weight. All data for 1954 refer to landed weight which generally varies by country from about 85-95 percent of live weight.

<sup>b</sup> Preliminary figure.

<sup>c</sup> 1933-37 average.

<sup>d</sup> Prewar.

SECRET

77

78

Table 86  
PRODUCTION OF MEAT \*  
1938 and 1946-55

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup>	14,900	15,700	16,100	15,100	16,400	17,300	18,100	19,200	20,800	21,800	<sup>c</sup> 22,500
US	7,340	10,400	10,600	9,730	9,830	10,000	9,940	10,500	11,200	11,500	<sup>c</sup> 12,200
Sino-Soviet Bloc	13,300	8,100	8,600	9,170	9,730	10,400	10,500	11,200	11,800	12,100	12,600
USSR	3,980	2,320	2,110	2,440	2,780	3,080	2,950	3,260	3,690	3,970	4,000
European Satellites	2,920	988	1,320	1,370	1,500	2,120	2,160	2,360	2,400	2,290	2,590
Albania	12.5	8.00	9.00	9.00	9.00	7.00	7.00	12.0	13.5	15.1	15.6
Bulgaria	153	76.0	102	100	102	115	110	121	101	114	121
Czechoslovakia	<sup>c</sup> 393	291	433	263	295	377	351	540	434	348	381
East Germany	<sup>c</sup> 680	156	224	229	264	428	490	556	600	534	596
Hungary	280	84.0	116	126	121	227	174	224	236	186	205
Poland	<sup>c</sup> 1,110	219	283	420	479	724	801	659	755	766	832
Rumania	295	154	154	222	228	239	229	246	257	325	440
China	<sup>f</sup> 6,300	4,760	5,140	5,340	5,420	5,210	5,360	5,510	5,660	5,820	6,020
North Korea		33.0	28.7	16.6	18.6			19.3	19.6		
North Vietnam <sup>g</sup>	<sup>h</sup> 122				16.0	25.0	25.0				

## NATO COUNTRIES

	1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>
Belgium	381	392	Greece	92.5	97.1	Portugal	165	169
Canada	999	1,060	Italy	801	794	Turkey	314	
Denmark	712	735	Netherlands	506	554	UK	1,680	1,590
France	2,390	2,460	Norway	112	126	West Germany	2,140	2,300

## OTHER MAJOR COUNTRIES

Argentina	2,048	2,170	Mexico	524	527	Uruguay	375	262
Australia	1,220	1,260	New Zealand	573	611	Yugoslavia	388	404
Brazil	1,380		Union of South Africa	465	440			

\* Carcass weight basis. Data include beef, veal, pork, mutton, lamb, goat, and buffalo meat, but exclude edible offal, lard, rabbit, and poultry meat.

<sup>b</sup> The countries included are Belgium, Canada, Denmark, France, Greece, Italy, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany.

<sup>c</sup> Preliminary figures.

<sup>d</sup> Does not include Turkey.

<sup>e</sup> 1939.

<sup>f</sup> Prewar.

<sup>g</sup> Includes beef, carabao, and pork.

<sup>h</sup> 1935-39 average.

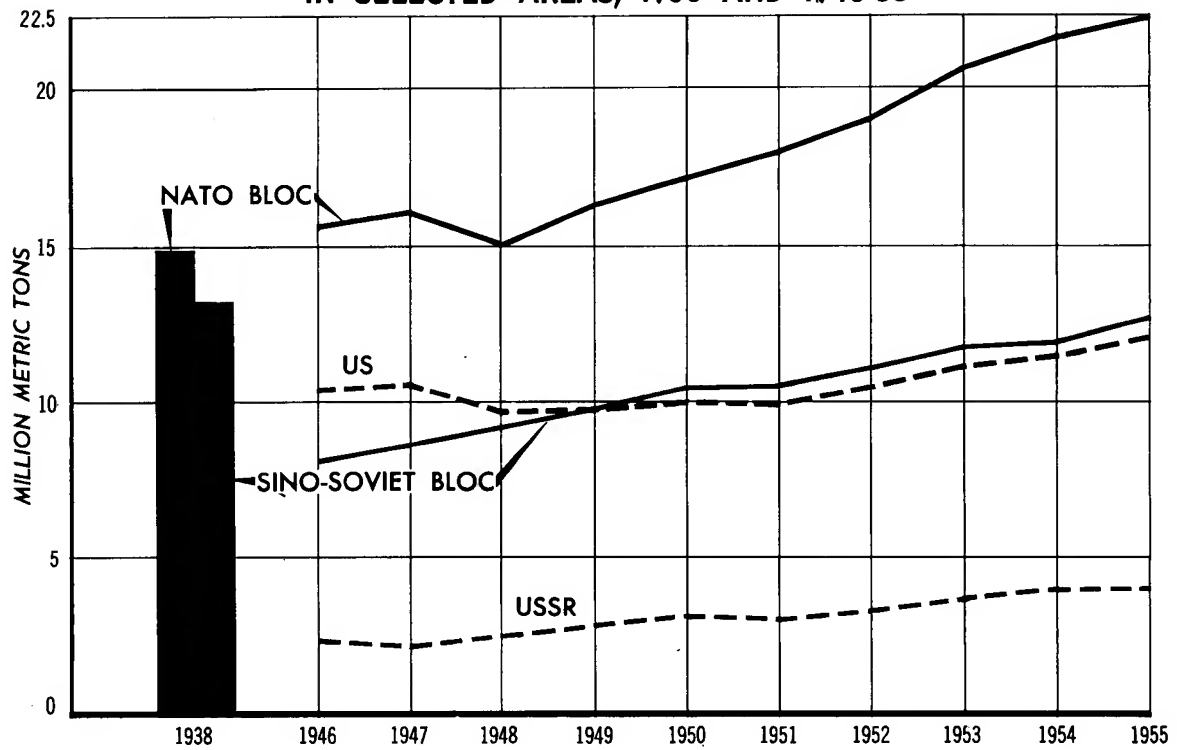
PROCESSED FOODS

SECRET

**SECRET**

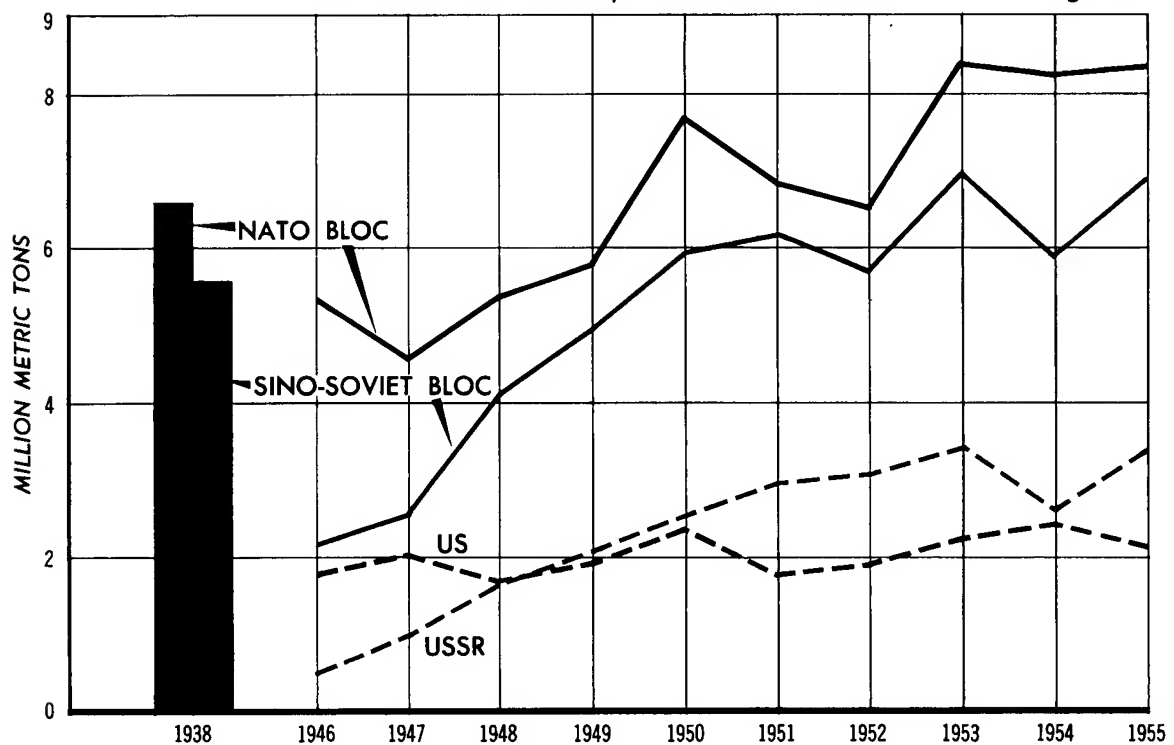
Figure 13

**COMPARISON OF TOTAL PRODUCTION OF MEAT  
IN SELECTED AREAS, 1938 AND 1946-55**



**COMPARISON OF TOTAL PRODUCTION OF RAW SUGAR  
IN SELECTED AREAS, 1938 AND 1946-55**

Figure 14



25701 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

## SECRET

## PROCESSED FOODS

Table 87

## PRODUCTION OF RAW SUGAR \*

Country	1938 and 1946-55						Thousand Metric Tons				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....	6,560	5,330	4,520	5,380	5,750	7,690	6,840	6,520	8,380	8,240	° 8,370
US.....	2,160	1,770	2,010	1,680	1,900	2,340	1,780	1,910	2,220	2,410	° 2,150
Sino-Soviet Bloc.....	5,510	2,150	2,560	4,110	4,910	5,940	6,190	5,720	6,960	5,900	6,940
USSR.....	2,450	466	981	1,670	2,040	2,520	2,980	3,070	3,430	2,610	3,420
European Satellites...	2,640	1,680	1,580	2,440	2,460	3,010	2,780	2,180	2,980	2,700	2,840
Albania.....	Negl.	Negl.	Negl.	Negl.	Negl.	0.6	2.4	3.9	6.6	3.5	4.0
Bulgaria.....	<sup>d</sup> 21.8	33.6	19.0	74.4	54.4	45.4	61.7	50.0	70.0	55.0	62.0
Czechoslovakia.....	<sup>d</sup> 648	590	351	634	627	880	725	625	653	642	652
East Germany.....	<sup>d</sup> 888	533	417	680	555	780	750	539	750	550	650
Hungary.....	<sup>d</sup> 113	67.1	155	245	263	253	260	210	287	274	311
Poland.....	<sup>d</sup> 898	426	550	694	845	955	853	657	1,100	1,040	984
Rumania.....	66.0	31.7	81.6	112	112	94.6	125	95.1	106	134	174
China.....	° 400	.....	.....	.....	383	376	408	451	524	597	688
North Vietnam.....	<sup>f</sup> 22.8	.....	.....	.....	28.0	27.7	27.3	27.3	27.3	.....	.....

## NATO COUNTRIES

	1954	1955 °		1954	1955 °		1954	1955 °
Belgium.....	347	370	France.....	1,690	1,630	Turkey.....	198	283
Canada.....	116	129	Italy.....	878	1,110	UK.....	641	703
Denmark.....	220	275	Netherlands.....	425	426	West Germany.....	1,320	1,300

## OTHER MAJOR COUNTRIES \*

Argentina.....	824	623	India.....	1,810	1,960	Puerto Rico.....	1,060	1,070
Australia.....	1,300	1,160	Indonesia.....	713	856	Taiwan.....	756	794
Brazil.....	2,250	2,210	Mexico.....	944	917	Union of South		
Colombia.....	270	284	Pakistan.....	106	114	Africa.....	752	852
Cuba.....	4,530	4,740	Peru.....	658	689	Venezuela.....	118	159
Egypt.....	318	318	Philippines.....	1,240	1,090	Yugoslavia.....	146	130
Hawaii.....	1,040	1,060						

	1954	1955
World Total (beet and cane) *.....	37,500	38,900
(Cane).....	22,700	23,200
(Beet).....	14,700	15,800
World Total (centrifugal and non-centrifugal)....	43,400	44,700

\* Raw value, centrifugal sugar; refined sugar is equal to approximately 90 percent of raw sugar by weight. Centrifugal sugar, as distinguished from non-centrifugal, includes cane and beet sugar produced by the centrifugal process. Sugar for all countries is beet sugar unless otherwise indicated.

<sup>b</sup> The countries included are: Belgium, Canada, Denmark, France, Italy, the Netherlands, Turkey, the UK, the US, and West Germany.

° Preliminary figure.

<sup>d</sup> 1935-39 average.

° 1937 figure.

<sup>f</sup> 1937-41 average.

\* Some countries listed also produce a large amount of non-centrifugal sugar. Non-centrifugal sugar includes all types of sugar produced by other than the centrifugal process. The estimates include such kinds known as piloncillo, panelo, papelon, chancaca, rapadura, jaggery, gur, muscovado, panocha, and the like, used largely for consumption in the relatively few areas where produced.

	Non-centrifugal sugar	
	1954	1955 °
Colombia.....	553	553
India.....	2,530	2,410
Indonesia.....	249	249
Pakistan.....	1,220	1,180
World Total.....	5,940	5,790

SECRET

79

80

PROCESSED FOODS

Table 88  
PRODUCTION OF MILK  
1938 and 1946-55

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	<sup>b</sup> 114,000	.....	.....	.....	.....	.....	.....	.....	132,000	135,000	<sup>c</sup> 136,000
US.....	<sup>b</sup> 47,600	.....	.....	.....	.....	.....	.....	.....	55,100	55,500	<sup>c</sup> 56,000
Sino-Soviet Bloc.....	57,300	27,700	31,200	35,400	38,200	41,900	43,200	45,300	46,200	47,900	51,400
USSR.....	34,100	19,800	20,000	23,000	24,000	25,000	25,500	25,200	25,800	27,000	29,800
European Satellites.....	23,200	7,940	11,200	12,400	14,200	16,900	17,700	20,000	20,400	20,900	21,700
Bulgaria.....	454	1,050	700	750	550	547	408	446	410	438	455
Czechoslovakia.....	4,460	2,650	2,420	2,230	2,430	2,690	2,930	3,180	3,380	3,570	3,420
East Germany.....	<sup>b</sup> 4,950	2,440	2,220	2,300	2,470	3,020	3,870	4,540	4,640	4,750	4,930
Hungary.....	1,540	713	743	887	1,100	1,170	1,100	1,290	1,190	1,340	1,440
Poland.....	10,400	.....	4,000	4,600	6,070	7,760	7,760	8,830	9,010	9,010	9,600
Rumania.....	<sup>d</sup> 1,400	1,080	1,120	1,620	1,620	1,670	1,670	1,740	1,790	1,790	1,840
China.....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.

## NATO COUNTRIES

	1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>
Belgium.....	3,700	3,760	Greece.....	266	318	Norway.....	1,690	1,690
Canada.....	7,670	7,840	Italy.....	8,400	8,820	UK.....	11,000	10,800
Denmark.....	5,390	5,140	Luxembourg.....	182	177	West Germany.....	17,100	16,900
France.....	18,500	18,300	Netherlands.....	5,870	5,810			

## OTHER MAJOR COUNTRIES

Argentina.....	5,100	4,900	New Zealand.....	4,960	5,090	Sweden.....	4,370	4,160
Australia.....	5,700	6,320						

<sup>a</sup> The countries included are Belgium, Canada, Denmark, France, Greece, Italy, Luxembourg, the Netherlands, Norway, the UK, the US, and West Germany.

<sup>b</sup> 1934-38 average.

<sup>c</sup> Preliminary figures.

<sup>d</sup> 1933-37 average.

SECRET

SECRET

PROCESSED FOODS

Table 89

## PRODUCTION OF FLOUR (WHEAT AND RYE) \*

Country	1938 and 1948-55						Thousand Metric Tons		
	1938	1948	1949	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc.....	65,700	65,000	62,200	63,500	66,000	68,200	67,100	70,600	71,400
USSR.....	37,700	36,000	36,600	37,200	39,700	40,900	39,100	40,000	40,700
European Satellites.....	<sup>b</sup> 11,300	11,600	11,700	11,800	11,500	11,600	11,700	12,200	13,300
Albania.....	<sup>b</sup> 33.8	.....	.....	.....	57.3	85.8	140	150	166
Bulgaria.....	<sup>b</sup> 1,040	1,250	1,260	1,280	1,280	1,200	1,230	1,310	1,370
Czechoslovakia.....	<sup>b</sup> 1,780	1,770	1,760	1,780	1,680	1,590	1,600	1,600	1,720
East Germany.....	<sup>b</sup> 1,650	2,060	2,060	2,050	2,010	1,980	1,900	1,820	1,960
Hungary.....	<sup>b</sup> 1,420	1,420	1,420	1,430	1,440	1,380	1,430	1,410	1,720
Poland.....	<sup>b</sup> 4,100	3,720	3,780	3,850	3,630	3,950	4,160	4,400	4,490
Rumania.....	<sup>b</sup> 1,300	1,410	1,430	1,440	1,380	1,370	1,240	1,540	1,920
China.....	16,700	17,400	13,900	14,500	14,800	15,700	16,300	18,400	17,400

\* Total flour produced in country by private mills, nationalized mills, and home grinding.

<sup>b</sup> 1935-39 average.

Table 90

## PRODUCTION OF ANIMAL FATS \*

Country	1938 and 1946-55						Thousand Metric Tons				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc.....	1,500	590	644	732	834	1,060	1,140	1,200	1,240	1,220	1,320
USSR <sup>b</sup> .....	515	225	198	247	292	338	405	465	475	475	490
European Satellites....	1,020	365	446	485	542	729	733	741	759	752	828
Albania.....	2	1	1	1	1	2	2	2	2	2	2
Bulgaria.....	40	17	20	19	21	23	23	25	21	23	24
Czechoslovakia.....	146	109	115	90	110	127	123	121	119	114	119
East Germany.....	245	93.3	99.7	94.5	100	115	167	192	192	187	196
Hungary.....	158	31	38	34	34	61	49	68	67	57	68
Poland.....	370	86	145	213	241	365	334	295	318	319	351
Rumania.....	55	28	27	34	35	36	35	38	40	50	67

\* Includes slaughter fats and butter.

<sup>b</sup> Includes slaughter fats, fat cuts, and bacon, but does not include butter.

SECRET

81



## PROCESSED FOODS

## SECRET

Table 91  
 PRODUCTION OF SELECTED FOODS PER CAPITA IN  
 VARIOUS COUNTRIES  
 1937, 1950, 1953, 1954

Item	1937	1950	1953	1954
Flour (kilograms):				
USSR.....	200	204	203	206
US.....	68.9	67.5	63.1	62.1
UK.....	82.9	84.0	80.4	76.4
Meat (kilograms):				
USSR.....	14.2	16.8	19.2	20.4
US.....		66.3	70.3	70.9
UK.....		26.3	26.6	32.4
France.....			50.0	55.1
West Germany.....			39.5	40.4
Sugar (kilograms):				
USSR.....	14.5	13.8	17.9	13.4
US.....	15.4	13.2	12.2	13.9
UK.....	11.5	10.3	12.5	15.9
France.....			23.7	34.2
Japan.....	2.4	0.13	0.23	0.29
Butter (kilograms):				
USSR.....	0.98	1.75	1.87	1.90
US.....	7.5	4.9		4.6
UK.....	0.9	0.5		0.6
France.....	5.0		6.4	7.1
West Germany.....		5.4	5.7	6.0
Cheese (kilograms):				
USSR.....	0.14	0.26	0.41	0.47
US.....	2.30	3.57	3.81	3.87
UK.....	0.82	1.12	1.74	1.63
France.....	6.75		6.88	
West Germany.....		2.83	3.28	3.12
Wine (liters):				
USSR.....	0.36	0.79	1.48	1.69
US.....	3.4	5.9	4.7	3.9
France.....	133		137	121
Beer (liters):				
USSR.....	5.2	7.1	9.4	9.3
US.....	53.0	68.0	66.0	67.0
UK.....	83.0	82.0	80.0	76.0
France.....	59.0		20.0	19.0
West Germany.....		38.0	60.0	62.0
Cigarettes (each):				
USSR.....	610	684	963	1,050
US.....	1,320	2,600	2,640	2,480
UK.....	1,470	2,250		
France.....	428		867	930
West Germany.....		504	760	818
Japan.....	607	751	1,000	1,090

Table 92  
HOUSEHOLD FOOD CONSUMPTION IN THE USSR, SELECTED YEARS, 1928-55

Item	Unit	1928	1937	1940	1948	1949	1950	1951	1952	1953	1954	1955
Fish <sup>a</sup> .....	Million MT.....	0.67	1.0	1.0	1.0	1.2	1.1	1.4	1.5	1.4	1.6	1.6
Meat <sup>b</sup> .....	Million MT.....	3.2	2.1	2.5	2.0	2.3	2.6	2.5	2.8	3.0	3.3	3.3
Fluid Milk <sup>c</sup> .....	Million MT.....	27	20	23	15	15	16	16	15	15	16	17
Potatoes <sup>d</sup> .....	Million MT.....	19	32	37	30	33	34	26	35	36	34	33
Vegetables <sup>e</sup> .....	Million MT.....	9.2	15	17	14	14	14	13	14	14	15	17
Sugar <sup>f</sup> .....	Million MT.....	1.2	2.3	2.1	1.8	2.0	2.4	2.8	3.3	3.6	3.8	4.0
Vegetable Oil <sup>g</sup> .....	Million MT.....	0.19	0.29	0.43	0.33	0.44	0.51	0.56	0.62	0.85	0.91	0.91
Slaughter Fats <sup>h</sup> .....	Million MT.....	0.40	0.25	0.30	0.25	0.28	0.31	0.30	0.33	0.37	0.40	0.40
Butter <sup>i</sup> .....	Million MT.....	0.04	0.13	0.19	0.29	0.32	0.34	0.35	0.37	0.38	0.39	0.46
Cheese <sup>j</sup> .....	Million MT.....	0.01	0.02	0.04	0.04	0.04	0.05	0.06	0.07	0.08	0.09	0.11
Beer <sup>k</sup> .....	Million decaliters.....	27	88	125	70	97	130	150	160	180	190	185
Canned Goods <sup>l</sup> .....	Million 400 gram cans..	300	440	740	500	740	950	1,120	1,250	2,380	2,730	2,730

<sup>a</sup> Foreign trade in fish was considered to be negligible. Canned fish was deducted on the basis of 15 percent of total canned goods. Twenty-eight percent of production was deducted for spoilage and waste.

<sup>b</sup> Imports of meat are negligible. Twelve percent was deducted for spoilage and waste, and canned meat was removed from the total on the basis of 16 percent of total canned goods.

<sup>c</sup> Modifications were made for (1) butter and cheese on the basis of 20 kilograms of milk per one kilogram of butter or cheese, (2) milk fed to livestock at 7 percent of production, and (3) canned milk on the basis of 7 percent of total canned foods.

<sup>d</sup> Production estimates were adjusted to eliminate feed and waste; seed was computed at 1.75 tons per hectare planted. Industrial use (manufacture of alcohol) was computed at 1 ton of potatoes per 27.5 gallons of alcohol.

<sup>e</sup> Total production was reduced by 12 percent to cover feed, seed, and waste. Deductions for canned vegetables were computed at 30 percent of total canned foods production.

<sup>f</sup> Estimates for sugar are based on planned production. When plans were not fulfilled, availability was increased through imports and withdrawal from state reserves.

<sup>g</sup> Vegetable oil used for food is estimated at 60 percent of total available supply, that is, production plus imports.

<sup>h</sup> The use of slaughter fats for food is estimated at 85 percent of production.

<sup>i</sup> The estimate of production is considered to be equivalent to consumption for the period 1948-55.

<sup>j</sup> Planned production is estimated as the available supply for consumption, with withdrawals from inventories making up the difference when plans were underfulfilled.

<sup>k</sup> Planned production is estimated to equal consumption, with withdrawals from inventories making up the difference when plans were underfilled.

<sup>l</sup> Production estimates were adjusted to take account of state reserve levels as follows: for the general trend, it was assumed that the "normal" accumulated reserve in any one year was equivalent to production in the following year. An average refreshing period of 4 years was taken into account. The general trend was modified by the following assumptions: (1) that there was an increase in net sequestration during the Korean War (1950-52) at the annual rate of 35 percent of production; (2) that withdrawals exceeded sequestration by 200 million cans annually during 1953 and 1954. It was assumed that net sequestration amounted to 50 percent of production in 1937 and 25 percent in 1940. Since foreign trade accounts for less than 10 percent of aggregate production no adjustments were made for it except for canned fish. It is estimated that 50 percent of the canned fish is exported.

SECRET

SECRET

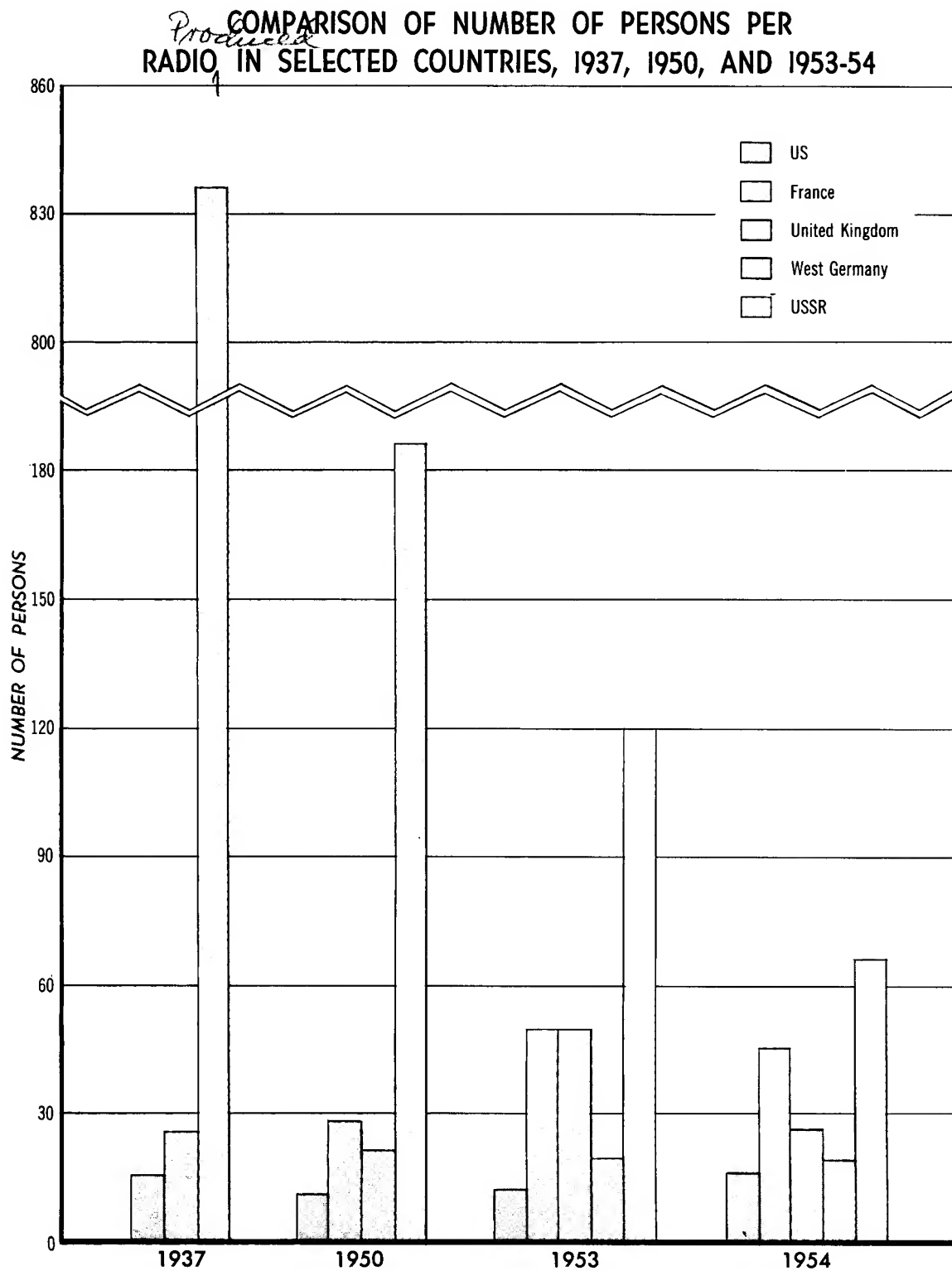
PROCESSED FOODS

PROCESSED FOODS

SECRET

**SECRET**

Figure 15



25702 2-57

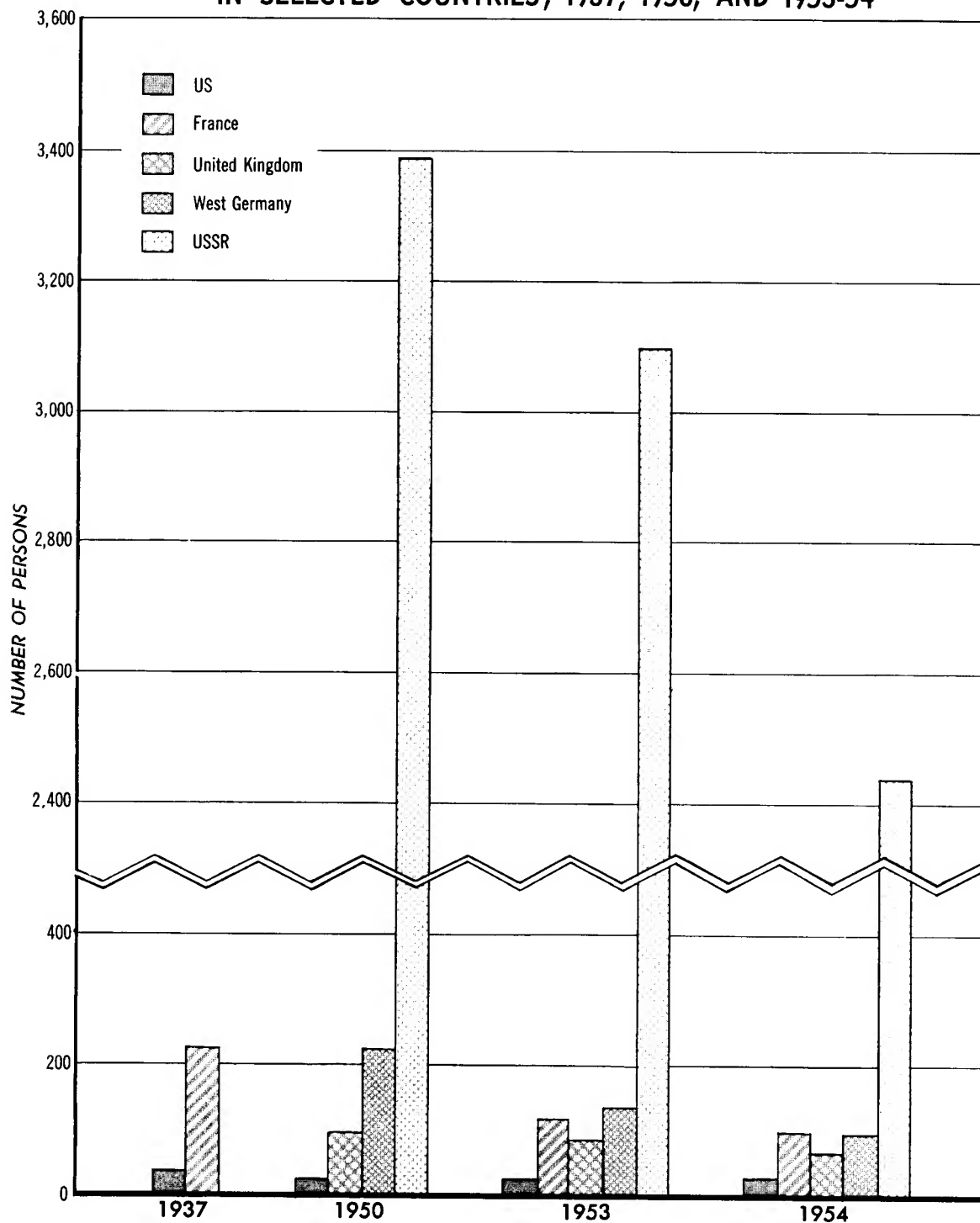
**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

**SECRET**

Figure 16

**COMPARISON OF NUMBER OF PERSONS PER PASSENGER CAR  
IN SELECTED COUNTRIES, 1937, 1950, AND 1953-54**



25703 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

## SECRET

## CONSUMER INDUSTRY

Table 93

## PRODUCTION OF NON-FOOD CONSUMER GOODS PER CAPITA

1937, 1950, 1953, 1954

Item	1937	1950	1953	1954
Cotton Cloth (meters per person):				
USSR.....	20.4	21.4	27.6	28.7
US.....	61.4	60.5	58.3	55.1
UK.....	70.8	38.1	33.4	35.7
Wool Cloth (meters per person):				
USSR.....	0.66	0.88	1.1	1.23
US.....	3.0	2.4	1.9	1.6
Leather Footwear (pairs per person):				
USSR.....	1.08	1.25	1.35	1.43
US.....	3.2	3.5	3.3	3.2
UK.....	2.8	2.8	2.7	2.7
West Germany.....		1.1	1.3	1.3
Japan.....	1.1	1.15	1.23	1.3
Radios (one radio per number of persons):				
USSR.....	836	186	120	66
US.....	16	11	12	16
UK.....	26	28	50	26
France.....			50	45
West Germany.....		21	20	19
Passenger Cars (per number of persons):				
USSR.....		3,388	3,097	2,438
US.....	33	23	26	29
UK.....		96	85	66
France.....	222		116	98
West Germany.....		221	135	96

Table 94

## PRODUCTION OF COTTON YARN

1938 and 1946-55

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO *	2,500	2,780	2,870	2,940	2,850	3,330	3,480	3,090	3,240	.....	.....
US.....	1,110	1,850	1,800	1,720	1,480	1,820	1,890	1,740	1,760	.....	.....
Sino-Soviet Bloc.....				1,000	1,090	1,260	1,380	1,570	1,670	.....	.....
USSR.....		299	397	493	562	607	667	686	700	.....	.....
European Satellites.....	188			173	198	215	223	227	226	229	239
Czechoslovakia..... <sup>b</sup>	89.0			68.0	76.0	88.0	92.0	92.0	85.0	80.0	83.0
Hungary.....	21.0			23.0	31.0	35.0	37.0	40.0	37.2	40.2	42.0
Poland.....	77.5			82.0	90.7	92.1	94.2	95.1	104	109	114
China.....	394	240	353	335	327	438	487	656	745	834	720

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	98.7	107	Greece.....	23.0	.....	Portugal.....	40.2	41.2
Canada.....	60.6	76.8	Italy.....	169	148	Turkey.....	40.0	25.2
Denmark.....	9.5	.....	Netherlands.....	68.6	69.6	UK.....	405	288
France.....	395	265	Norway.....	3.6	2.4	West Germany.....	369	373

## OTHER MAJOR COUNTRIES

Austria.....	21.2	23.2	Japan.....	464	419	Spain.....	53.3	53.0
Egypt.....	64.3	73.1	Pakistan.....	87.1	12.5	Yugoslavia.....	34.1	38.2
India.....	707	745						

\* Total production of cotton yarn includes mixed yarns and yarn obtained from cotton waste. Yarns from textile fibers other than cotton (rayon, staple fiber yarn and the like) which are produced by the cotton industry are excluded. The countries included are Belgium, Canada, Denmark, France, Greece, Italy, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany <sup>b</sup> 1937.

SECRET

85



## CONSUMER INDUSTRY

## SECRET

Table 95  
PRODUCTION OF WOOL YARN <sup>a</sup>

	1938 and 1946-55							Thousand Metric Tons				
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
NATO <sup>b</sup> .....	818	870	903	963	947	1,050	977	929	1,010	971	<sup>c</sup> 1,020	
US.....	<sup>d</sup> 262	417	358	262	312	264	319	313	309	253	318	
Sino-Soviet Bloc.....				123	147	162	175	182	194	....	.....	
USSR.....		52.2	69.4	81.9	97.5	105	113	122	133	....	.....	
European Satellites.....	45.8			40.9	46.6	53.9	58.3	55.7	56.5	58.4	61.4	
Hungary.....	11.6			7.7	8.0	12.0	14.5	11.3	6.3	8.3	10.0	
Poland.....	<sup>d</sup> 34.2			33.2	38.6	41.9	43.8	44.4	50.2	50.1	51.4	
China.....	<sup>e</sup> 11.0			....	3.3	2.8	3.5	4.0	4.7	5.5	6.6	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	39	41	Greece.....	6		Portugal.....	8	
Canada.....	22	21	Italy.....	110	110	Turkey.....	10	9
Denmark.....	10		Netherlands.....	28	29	UK.....	245	244
France.....	128	127	Norway.....	7	7	West Germany.....	105	115

## OTHER MAJOR COUNTRIES

Australia.....	20.4	19.3	Japan.....	77	88	Yugoslavia.....	8.8	11.2
----------------	------	------	------------	----	----	-----------------	-----	------

<sup>a</sup> Total production of wool yarn, including mixed yarns.

<sup>b</sup> The countries included are Belgium, Canada, Denmark, France, Greece, Italy, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany.

<sup>c</sup> Total does not include Denmark Greece, and Portugal.

<sup>d</sup> 1937.

<sup>e</sup> 1936.

Table 96  
PRODUCTION OF RAYON YARN

Country	1938 and 1946-55							Thousand Metric Tons				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
NATO <sup>a</sup> .....	324	449	531	568	628	718	768	622	710	664	<sup>b</sup> 728	
US.....	117	307	339	388	363	433	435	376	402	321	392	
USSR..... <sup>c</sup>	10.6	8.6	6.8	19.1	24.9	34.0	37.6	41.2	44.8	....	.....	
Poland.....	6.5	.....	.....	7.1	9.0	9.5	10.5	11.9	13.1	13.9	15.4	

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	8.3	11.5	Italy.....	53.2	63.2	Turkey.....	0.5	0.5
Canada.....	20.0	22.2	Netherlands.....	25.4	29.5	UK.....	98.5	99.6
France.....	46.8	53.3	Norway.....	0.7	0.9	West Germany.....	52.0	59.8
Greece.....	1.5	1.5	Portugal.....	1.1	1.5			
World Total.....	946	928						

<sup>a</sup> The countries included are Belgium, Canada, France, Greece, Italy, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany. Rayon and acetate filament yarn, mono-filaments, staple, and tow are included. Spun rayon or acetate yarn, other manufactures of rayon and acetate, and noncellulosic man-made fibres are excluded.

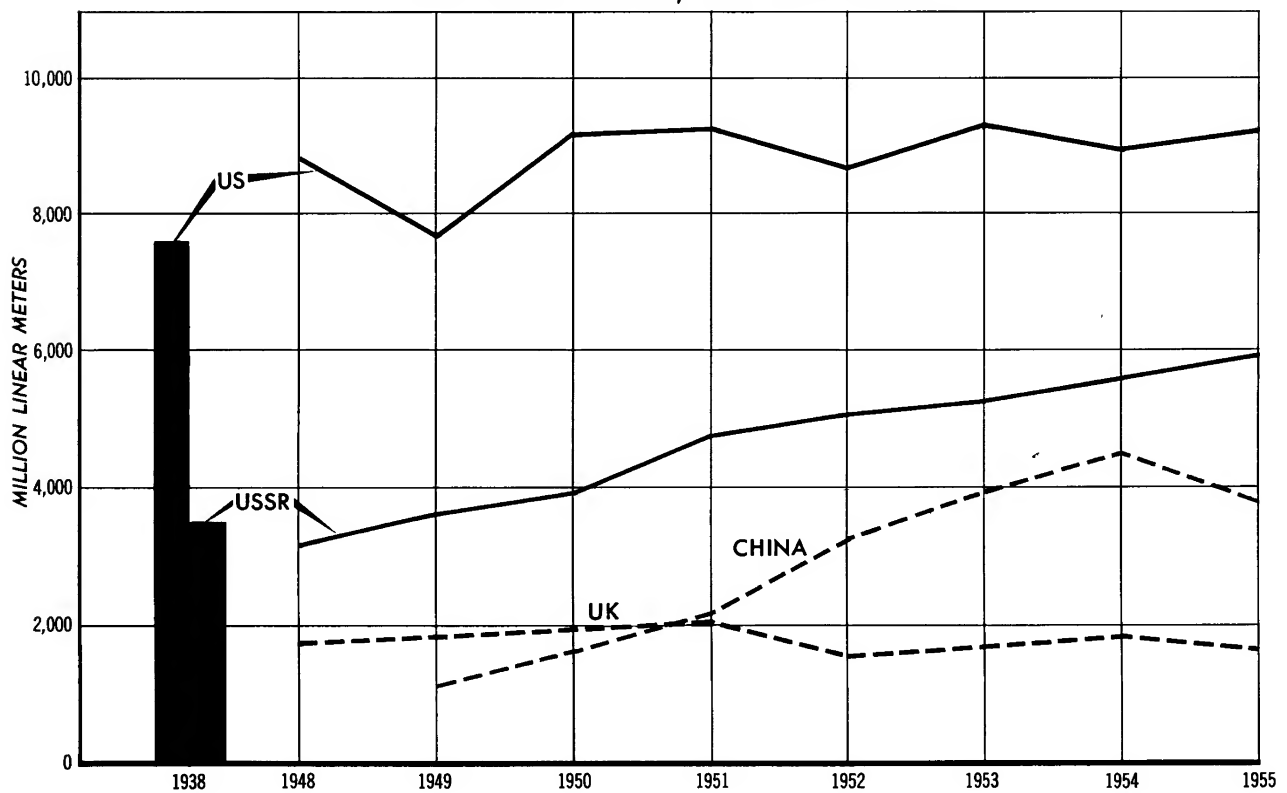
<sup>b</sup> Excludes Canada, Norway, Portugal, Turkey, and Greece.

<sup>c</sup> 1940.

**SECRET**

Figure 17

**COMPARISON OF TOTAL PRODUCTION OF COTTON FABRIC  
IN SELECTED AREAS, 1938 AND 1948-55**



25704 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

SECRET

CONSUMER INDUSTRY

Table 97  
COTTON FABRICS •  
1938 and 1946-55

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
US.....	7,580	.....	.....	8,820	7,690	9,160	9,270	8,700	9,330	8,940	9,230
USSR.....	3,460	1,900	2,540	3,150	3,600	3,900	4,770	5,040	5,280	5,590	5,900
Bulgaria.....	<sup>b</sup> 33	.....	.....	60	66	84	95	109	118	124	138
Czechoslovakia.....	<sup>c</sup> 377	.....	.....	280	318	361	379	379	347	327	340
East Germany.....	.....	.....	.....	.....	.....	70.0	86.5	106	129	150	173
Hungary.....	185	.....	.....	220	268	282	328	343	334	362	379
Poland.....	288	.....	.....	344	406	432	462	472	500	526	558
Rumania.....	104	.....	.....	80	100	145	171	198	196	210	<sup>d</sup> 250
China.....	<sup>e</sup> 1,650	.....	.....	.....	1,100	1,600	2,180	3,260	3,940	4,470	3,770
North Korea.....	<sup>f</sup> 2.6	1.6	3.7	7.0	9.4	12.5	15.6	18.8	20.7	22.0	46.2

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	552	640	Italy.....	895	955	UK.....	1,700	1,820
Canada.....	230	207	Netherlands....	522	559	West Germany.....	1,980	2,090
Denmark.....	61.1	52.5	Norway.....	46.5	.....			
France.....	1,670	1,810	Portugal.....	229	272			

## OTHER MAJOR COUNTRIES

Australia.....	23	30	Japan.....	2,260	2,550	Yugoslavia.....	129	166
India.....	4,460	4,570	Pakistan.....	218	318			

\* Data given in million linear meters for the following countries: the US, the UK, Canada, the USSR, Bulgaria, Czechoslovakia, Hungary, Poland, China, India, and Pakistan. Data for all other countries given in million square meters. In the case of the European NATO countries, the conversion to square meters was made from metric tons at the rate of 1 ton equals 8,300 square meters.

<sup>b</sup> 1939.

<sup>c</sup> 1937.

<sup>d</sup> Revised plan. The original plan called for 266.5 million square meters.

<sup>e</sup> 1936.

<sup>f</sup> 1944.

SECRET

87

## CONSUMER INDUSTRY

## SECRET

Table 98  
 PRODUCTION OF WOOL FABRICS \*  
 1938 and 1946-55

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
US.....	275	505	419	416	347	350	314	294	283	234	.....
USSR.....	113	71	95	124	149	155	176	190	209	243	251
Bulgaria.....	<sup>b</sup> 4.50	...	...	5.05	6.20	8.50	7.60	8.60	9.70	11.3	11.9
Czechoslovakia.....	<sup>c</sup> 29	...	...	41	48	42	44	47	49	51	58
Hungary.....	14	...	...	17.6	21.3	23.8	27.7	21.0	11.6	15.4	18.6
Poland.....	37.7	...	...	42.1	50.1	55.4	60.3	62.7	70.6	71.1	78.5
Rumania.....	12.3	...	...	11.0	16.3	20.6	25.3	27.3	28.9	30.0	31.0
China.....	<sup>d</sup> 10.0	...	...	.....	3.0	2.4	2.4	3.7	4.7	5.0	6.0

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	79	82	France.....	223	234	UK.....	344	346
Canada.....	20	15	Norway.....	15	....	West Germany.....	222	215
Denmark.....	12	....						

## OTHER MAJOR COUNTRIES

Japan.....	140	129	Yugoslavia.....	17	20
------------	-----	-----	-----------------	----	----

\* Data given in million linear meters for the following countries: the US, Canada, the USSR. Bulgaria, Czechoslovakia, Hungary, Poland, and China. Data for other countries given in million square meters. Data for European NATO countries were converted from metric tons at the rate of 2.56 metric tons equal 10,000 square yards.

<sup>b</sup> 1939.

<sup>c</sup> 1937.

<sup>d</sup> 1936.

Table 99  
 PRODUCTION OF LINEN FABRICS  
 1938 and 1948-56

Country	1938	1948	1949	1950	1951	1952	1953	1954	1955	1956
USSR.....	<sup>a</sup> 286	185	226	282	313	257	288	287	305	.....
Czechoslovakia.....	<sup>b</sup> 39	35	38	40	42	44	48	51	53	.....
Hungary.....	11.0	.....	8.5	12.0	13.0	14.0	.....	.....	.....	.....
Poland.....	.....	31.9	47.2	59.9	.....	.....	50.8	43.8	.....	.....
China.....	.....	.....	.....	.....	.....	0.28	.....	.....	.....	<sup>c</sup> 18.3

<sup>a</sup> 1940.

<sup>b</sup> 1937.

<sup>c</sup> 1957 plan, which is probably not far from realization in 1956.

SECRET

CONSUMER INDUSTRY

Table 100

## PRODUCTION OF LEATHER FOOTWEAR

1938 and 1946-55

Million Pairs

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	685	.....	...	.....	.....	805	748	810	829	824	.....
US <sup>b</sup> .....	405	529	485	480	476	523	482	533	532	524	577
Sino-Soviet Bloc.....	218	.....	...	180	220	268	313	318	330	357	363
USSR.....	193	81.2	113	134	164	203	240	238	239	258	274
European Satellites.....	25.2	.....	...	46.0	56.3	64.7	73.7	80.4	90.7	99.4	88.2
Bulgaria.....	.....	.....	...	0.5	0.6	0.9	1.0	1.2	1.3	1.4	1.5
Czechoslovakia.....	.....	.....	...	27.7	29.6	29.9	31.5	33.0	33.7	34.7	29.6
East Germany..... <sup>c</sup> 15.3	.....	.....	...	6.0	6.1	7.8	10.9	14.1	17.5	19.3	20.0
Hungary.....	3.5	.....	...	4.26	4.6	6.7	8.6	9.0	8.4	10.5	12.3
Poland.....	2.8	.....	...	4.9	8.5	10.8	11.9	13.0	20.8	23.2	24.8
Rumania.....	3.6	.....	...	2.6	6.87	8.58	9.8	10.1	9.0	10.3	.....

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	7.4	8.0	Netherlands.....	15.2	16.1	Saar.....	0.4	0.5
Canada.....	38.2	36.9	Norway.....	3.5	4.1	UK.....	99.8	99.2
Denmark.....	4.4	4.5	Portugal.....	0.6	....	West Germany.....	67.7	70.6
France.....	59.7	60.0						

<sup>a</sup> Total production of footwear with leather, or mainly leather, uppers. Fabric shoes, uppers, slippers and rubber footwear are excluded. Countries included are Belgium, Canada, Denmark, France, the Netherlands, Norway, Portugal, the Saar, the UK, the US, and West Germany.

<sup>b</sup> Shoes and slippers. The 1935-1939 average is used in place of the 1938 figure.

<sup>c</sup> 1936.

Table 101

## PRODUCTION OF REFRIGERATORS

1938 and 1947-55

Thousand Units

Country	1938	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	.....	3,540	5,130	5,000	7,030	4,900	4,220	4,270	.....	.....
US <sup>b</sup> .....	.....	3,400	4,770	4,450	6,200	4,080	3,570	3,780	.....	.....
USSR..... <sup>c</sup> 3.5	.....	.....	.....	.....	1.2	20	31	49	94	152

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Canada.....	274	236	France.....	205	240	Norway.....	17	....

<sup>a</sup> The countries included are France, Norway, the UK, and the US. The UK is included in 1948-52 only; Norway, 1951-53.

<sup>b</sup> Includes sales of household refrigerators, but excludes sales of home deep freezers.

<sup>c</sup> 1940.

SECRET

89

CONSUMER INDUSTRY

SECRET

Table 102  
PRODUCTION OF WASHING MACHINES

Country	1938 and 1946-55										Thousand Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....			4,500	5,090	3,840	5,250	4,450	4,060	4,380	4,560	5,420
US <sup>b</sup> .....			4,280	4,620	3,200	4,410	3,490	3,280	3,510	3,500	4,240
USSR <sup>c</sup> .....	0	Negl.	Negl.	Negl.	Negl.	0.3	.....	.....	3.5	46	87

## NATO COUNTRIES

	1954	1955		1954	1955
Canada.....	215	268	UK.....	840	918

<sup>a</sup> The countries included are Canada, Norway, the UK, and the US. Figures for Norway are included for years 1950-53 only. Figures for the UK are not included in the 1947 total.

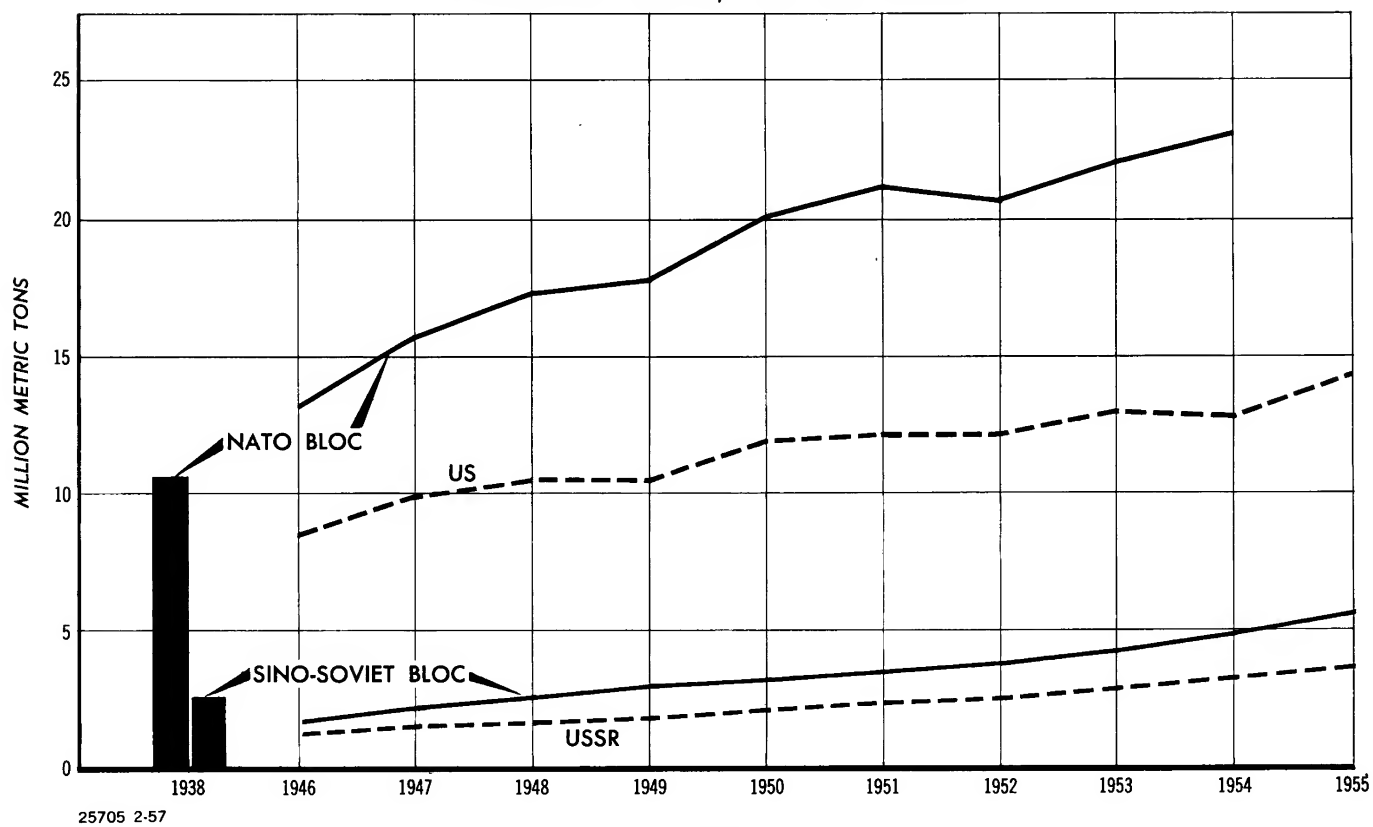
<sup>b</sup> Sales.

<sup>c</sup> Household types.

**SECRET**

Figure 18

**COMPARISON OF TOTAL PRODUCTION OF SULFURIC ACID  
IN SELECTED AREAS, 1938 AND 1946-55**



**SECRET**



Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 103  
PRODUCTION OF SULFURIC ACID <sup>a</sup>

1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup>	10,600	13,100	15,600	17,200	17,700	20,000	21,100	20,600	22,000	23,100	.....	.....
US	3,800	8,350	9,780	10,400	10,400	11,800	12,100	12,100	12,900	12,700	14,300	.....
Sino-Soviet Bloc <sup>c</sup>	2,590	1,640	2,110	2,490	2,900	3,120	3,380	3,740	4,220	4,830	5,590	.....
USSR	1,520	1,150	1,370	1,590	1,810	2,040	2,280	2,500	2,750	3,150	3,620	4,120
European Satellites	906	386	520	651	796	870	980	1,090	1,270	1,450	1,620	.....
Bulgaria	0	0	0	0	0	Negl.	3.4	5.2	6.0	6.4	8.1	15.9
Czechoslovakia	180	113	192	196	206	205	223	237	285	314	363	.....
East Germany	447	125	130	186	237	280	363	362	423	531	593	620
Hungary	40.0	.....	18.0	21.4	40.0	58.0	64.5	86.0	126	110	111	.....
Poland	196	124	155	222	276	285	277	348	370	419	450	483
Rumania	43.0	23.3	24.8	26.4	37.1	43.0	48.3	49.8	55.6	72.0	90.0	.....
China	165	.....	.....	.....	25.0	75.0	115	146	198	231	252	280
North Korea	.....	108	219	252	270	137	0	0	0	50	100	125

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium	767	966	Greece	59	99	Portugal	195	223
Canada	750	837	Italy	1,550	1,840	Turkey	18	20
Denmark	179	182	Netherlands	592	633	UK	1,900	2,080
France	1,180	1,380	Norway	71	88	West Germany	1,880	2,090

## OTHER MAJOR COUNTRIES

Austria	28	35	Ireland	78	78	Sweden	342	394
Finland	125	123	Japan	2,680	3,040	Switzerland	84	120
India	111	153	Spain	760	935	Yugoslavia	40	60
World Total <sup>d</sup>	27,200	29,900						

<sup>a</sup> 100 percent sulfuric acid.<sup>b</sup> The countries included are Belgium, Canada, Denmark, Greece, Italy, the Netherlands, Norway, Portugal, the UK, the US, and West Germany.<sup>c</sup> No production in Albania and North Vietnam.<sup>d</sup> Exclusive of the USSR and Czechoslovakia.

SECRET

SECRET

CHEMICALS

92

CHEMICALS

Table 104

## PRODUCTION OF SYNTHETIC AMMONIA \*

1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	539	1,140	1,690	1,820	2,370	3,050	3,520	3,940	4,290	4,520	4,640	....
US.....	<sup>c</sup> 282	658	1,010	989	1,170	1,420	1,600	1,860	2,080	2,470	2,870	....
Sino-Soviet Bloc <sup>d</sup> .....	654	.....	.....	756	846	889	942	1,040	1,140	1,240	1,380	....
USSR.....	<sup>e</sup> 276	318	362	436	476	521	568	620	677	714	753	837
European Satellites.....	378	.....	.....	243	278	309	352	387	417	478	550	....
Bulgaria.....	0	0	0	0	0	0	Negl.	15.4	23.1	24.6	26.0	27.5
Czechoslovakia.....	21.0	.....	26.0	25.8	26.3	27.6	32.7	34.4	36.8	40.1	40.5	....
East Germany.....	320	62.3	122	174	210	236	270	278	290	314	335	350
Hungary.....	5.35	.....	2.50	9.90	12.0	12.0	12.0	16.1	16.1	16.1	19.3	....
Poland.....	30.9	.....	.....	32.3	28.2	32.0	35.6	40.5	46.4	75.0	121	....
Rumania.....	0.62	.....	.....	0.82	1.20	1.70	2.30	2.80	5.00	8.10	8.10	....
China.....	.....	.....	.....	.....	4.00	8.00	21.1	28.8	40.6	51.9	62.0	72.0
North Korea.....	.....	35.2	65.3	77.4	88.4	52.1	0	0	0	0	10.0	20.0

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	182	224	Netherlands.....	301	....	UK.....	446	450
France.....	302	358	Norway.....	141	....	West Germany.....	593	707
Italy.....	242	297	Portugal.....	7	13			

\* Stated in terms of nitrogen content. To convert to synthetic ammonia, multiply by 1.214.

<sup>b</sup> Total production, including quantities used on the spot for production of other products. The countries included are Belgium, Italy, the Netherlands, Norway (1951-54), Portugal (1952-54), the UK, the US, and West Germany (1949-55).<sup>c</sup> 1939.<sup>d</sup> No production in Albania and North Vietnam.<sup>e</sup> 1940.

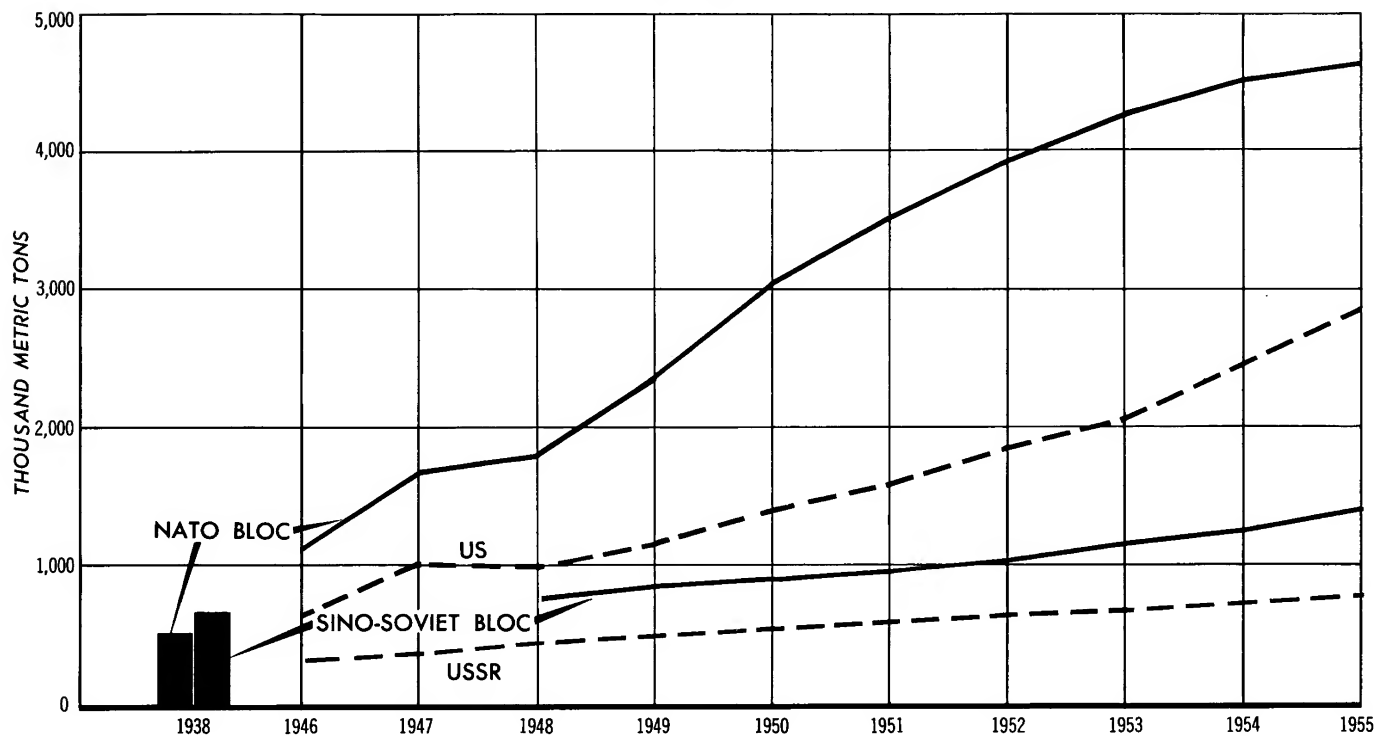
SECRET

SECRET

**SECRET**

Figure 19

**COMPARISON OF TOTAL PRODUCTION OF SYNTHETIC AMMONIA  
IN SELECTED AREAS, 1938 AND 1946-55**



25706 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 105  
PRODUCTION OF NITRIC ACID <sup>a</sup>  
1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup>	627	1,150	1,730	1,780	1,850	2,180	2,480	2,640	2,840	.....	.....	.....
US.....	<sup>c</sup> 160	520	1,080	1,030	1,020	1,210	1,370	1,490	1,600	1,810	2,090	.....
Sino-Soviet Bloc <sup>d</sup>	397	637	851	1,050	1,200	1,340	1,510	1,630	1,840	2,190	2,130	.....
USSR.....	<sup>c</sup> 150	605	710	820	930	1,040	1,140	1,240	1,350	1,420	1,500	1,700
European Satellites.....	247	25.5	137	219	256	290	365	382	480	553	605	.....
Bulgaria.....	0	0	0	Negl	Negl	Negl	Negl	40.0	60.0	65.0	70.0	.....
Czechoslovakia.....	36.3	.....	32.0	35.0	36.2	38.9	42.9	47.5	50.9	61.4	67.9	.....
East Germany.....	164	25.3	105	130	162	184	234	246	254	269	276	300
Hungary.....	15.0	.....	.....	20.0	30.0	32.0	45.0	.....	55.0	55.0	43.0	.....
Poland.....	31.4	.....	.....	32.8	25.6	32.6	36.2	41.2	47.0	76.0	119	.....
Rumania.....	0.4	0.2	.....	0.5	2.3	3.5	6.0	7.5	13.0	26.5	29.0	.....
China.....	.....	.....	.....	.....	2.5	.....	8.5	9.4	14.0	22.0	25.1	29.4
North Korea.....	.....	6.7	4.2	9.9	12.8	9.3	0	0	0	.....	.....	.....

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
France.....	600	711	Norway.....	18.3	16.9	UK.....	308	.....
Italy.....	316	.....	Portugal.....	0.2	0.2			

## OTHER MAJOR COUNTRIES

Japan.....	71.0	86.9	Sweden.....	50.2	50.7
------------	------	------	-------------	------	------

<sup>a</sup> 100 percent acid base (100 percent nitric acid).<sup>b</sup> The countries included are France, Italy, Norway, Portugal, the UK, and the US.<sup>c</sup> 1937 figure.<sup>d</sup> No production in Albania and North Vietnam.

SECRET

SECRET

CHEMICALS

## CHEMICALS

## SECRET

Table 106

## PRODUCTION OF SODA ASH

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	4,460	4,780	5,400	5,700	5,120	5,450	6,830	5,680	6,330	6,370	6,630	.....
US..... <sup>b</sup>	2,560	3,890	4,100	4,150	3,550	3,620	4,620	4,030	4,430	4,260	4,450	.....
Sino-Soviet Bloc <sup>c</sup> .....	1,330	.....	.....	794	1,020	1,330	1,460	1,710	2,050	2,370	2,730	2,830
USSR.....	536	284	347	499	653	764	833	1,010	1,200	1,320	1,440	1,600
European Satel- lites.....	744	.....	.....	295	364	398	441	513	632	742	885	794
Bulgaria.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25.0	40.0	58.0
Czechoslo- vakia.....	132	.....	.....	102	102	102	95.0	90.0	85.0	85.0	85.0	.....
East Germany	496	47.4	63.6	82.1	93.7	103	122	191	297	372	458	490
Poland.....	87.4	.....	.....	75.0	129	151	173	179	195	207	228	246
Rumania <sup>d</sup> ...	28.9	28.2	35.8	36.4	38.8	42.0	51.0	53.5	55.0	53.5	73.5	.....
China.....	48.9	.....	.....	.....	.....	166	185	192	223	310	405	440
North Korea...	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.90	1.10	1.40

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
France.....	653	662	Norway.....	15.2	12.0	West Germany.....	794	935
Italy.....	430	482	Portugal.....	14.3	13.7			

## OTHER MAJOR COUNTRIES

India.....	57.8	49.1	Japan <sup>e</sup> .....	509	602	Spain.....	98.4	113
Yugoslavia.....	34.4	32.4						

<sup>a</sup> The countries included are France, Italy (98-100 percent Na<sup>2</sup>CO<sup>3</sup>), Norway (except 1938, and 1946), Portugal, the US, and West Germany. 1938 includes all Germany.

<sup>b</sup> 1939 figure.

<sup>c</sup> No production in Albania, in Hungary from 1946-1956, and in North Vietnam from 1952 through 1956. No information available regarding prior years.

<sup>d</sup> 100 percent.

<sup>e</sup> Finished soda ash made for sale and crude soda ash used in manufacture of caustic soda.

SECRET

CHEMICALS

Table 107  
PRODUCTION OF CAUSTIC SODA \*

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	1,660	1,950	2,380	2,550	2,780	3,180	1,400	3,700	4,100	4,330	.....	.....
US.....	<sup>c</sup> 948	1,700	1,910	2,160	2,020	2,280	2,820	2,750	2,960	3,080	3,540	.....
Sino-Soviet Bloc..	483	.....	.....	435	561	609	731	836	941	1,040	1,180	.....
USSR.....	<sup>d</sup> 200	142	178	223	283	326	352	391	450	500	565	633
European Satel- lites <sup>e</sup> .....	268	.....	.....	212	265	283	330	366	402	422	482	.....
Bulgaria.....	0	0	0	0	0	Negl	Negl	Negl	Negl	Negl	3.7	10.0
Czechoslo- vakia.....	27.0	.....	.....	37.3	38.0	40.0	40.0	48.4	61.2	70.0	73.5	.....
East Germany	195	66.4	86.9	110	138	149	184	209	221	228	257	270
Hungary.....	2.90	.....	2.36	3.45	6.03	6.10	7.68	9.68	10.0	10.0	10.2	.....
Poland.....	29.8	.....	.....	47.2	59.0	62.7	69.0	69.0	79.4	84.1	97.6	105
Rumania....	13.8	10.1	12.8	13.8	23.8	25.6	29.8	29.8	29.8	29.8	40.0	.....
China.....	<sup>f</sup> 15.0	.....	.....	.....	13.5	.....	49.0	79.0	89.3	116	137	155

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Canada.....	174	176	Greece.....	0.68	0.72	Portugal.....	8.1	10.8
Denmark.....	1.8	2.2	Italy.....	205	252	Turkey.....	2.0	1.9
France <sup>g</sup> .....	284	282	Norway.....	24.3	29.4	West Germany.....	442	498

## OTHER MAJOR COUNTRIES

Austria.....	35.5	43.8	Japan.....	372	445	Sweden.....	86.2	94.9
India.....	23.3	29.8	Spain.....	84.8	50.3	Yugoslavia.....	22.5	23.4

\* 100 percent caustic soda.

<sup>b</sup> The countries included are Canada (1950-53), Denmark (1950-54), Greece (1939 instead of 1938), Italy, Norway (1950-53), Portugal (1947-54), the UK, the US, and West Germany (1938, all Germany).

<sup>c</sup> 1939 figure.

<sup>d</sup> 1940 figure.

<sup>e</sup> No production in Albania and North Vietnam.

<sup>f</sup> 1936 figure.

<sup>g</sup> Figures for all years refer to only solid soda which is about two-thirds of total production.

SECRET

95



## CHEMICALS

## SECRET

Table 108  
PRODUCTION OF CHLORINE

Country	1938 and 1946-56							Thousand Metric Tons				
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	696	1,210	1,490	1,720	1,980	2,370	2,800	3,000	3,220	3,130	3,660	....
US.....	<sup>b</sup> 467	1,060	1,310	1,490	1,600	1,890	2,190	2,360	2,540	2,630	3,090	....
Sino-Soviet Bloc <sup>c</sup> ...	340	.....	.....	253	321	368	432	471	518	570	626	....
USSR.....	85	84	104	129	163	187	202	224	257	285	322	361
European Satel- lites.....	250	.....	.....	124	158	181	223	247	261	285	304	....
Czechoslovakia..	14.0	.....	.....	11.5	15.5	20.0	24.5	28.0	32.0	35.5	39.5	....
East Germany..	<sup>b</sup> 226	58.0	82.0	106	131	142	176	194	201	203	212	215
Hungary.....	2.5	.....	0.8	3.1	4.6	4.9	6.5	7.4	8.1	8.6	8.7	....
Poland.....	4.00	.....	2.80	3.00	3.60	3.82	4.05	4.30	4.56	25.0	28.8	....
Rumania <sup>d</sup> .....	3.0	.....	0.5	0.8	2.8	10.4	12.0	13.4	14.9	13.4	14.9	....
China.....	<sup>e</sup> 5.8	.....	.....	.....	.....	.....	6.9	.....	.....	.....	.....	....

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Canada.....	153	....	France.....	114	140	Norway.....	15	....
Denmark.....	2	2	Italy.....	80	....	West Germany.....	320	362

## OTHER MAJOR COUNTRIES

Austria.....	7	10	Sweden.....	66	74
--------------	---	----	-------------	----	----

<sup>a</sup> The countries included are Canada (1949-53), Denmark (1951-54), France, Italy, Norway (1951-53), the US, and West Germany.

<sup>b</sup> 1939 figure.

<sup>c</sup> No production in Albania, Bulgaria, and North Vietnam.

<sup>d</sup> 100 percent.

<sup>e</sup> 1936 figure.

SECRET

CHEMICALS

Table 109

## PRODUCTION OF CALCIUM CARBIDE

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	899	1,110	1,190	1,460	1,460	1,760	1,940	1,940	2,020	2,080	.....	....
US.....	.....	517	552	620	551	609	703	638	720	647	794	....
Sino-Soviet Bloc <sup>b</sup> ...	388	.....	.....	747	1,100	1,180	1,190	1,240	1,330	1,430	1,620	....
USSR.....	80	.....	.....	.....	200	233	267	300	334	372	410	445
European Satel- lites.....	303	.....	.....	624	752	870	920	931	979	1,030	1,150	....
Bulgaria.....	2.5	.....	.....	1.6	2.8	3.5	3.8	4.5	5.2	5.6	6.0	6.0
Czechoslovakia..	13.0	.....	.....	50.5	49.8	48.8	47.6	46.2	45.4	55.4	70.4	....
East Germany..	<sup>c</sup> 209	227	310	412	529	628	678	690	702	735	814	840
Hungary.....	5.8	.....	.....	6.0	7.2	8.5	8.5	8.5	8.5	8.5	8.5	....
Poland.....	67.1	.....	.....	149	158	172	170	166	198	200	230	240
Rumania.....	5.5	.....	4.3	5.0	5.7	9.1	12.3	15.5	19.5	24.7	25.0	....
China.....	<sup>c</sup> 5.0	.....	.....	.....	2.0	6.0	7.0	8.0	10.0	12.0	15.0	18.0
North Korea.....	.....	42.2	91.5	123	145	70	0	0	5	20	40	....

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
France.....	214	244	Norway.....	22	42	UK.....	108	116
Italy.....	224	226	Portugal.....	4	5	West Germany.....	725	804

<sup>a</sup> The countries included are: France, Italy, Norway, Portugal, the UK, the US, and West Germany. Figures for 1938 are not included for Portugal, the UK, the US, and West Germany.

<sup>b</sup> No production in Albania and North Vietnam.

<sup>c</sup> 1936 figure.

Table 110

## PRODUCTION OF BENZOL

Country	1938 and 1946-55										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
Sino-Soviet Bloc <sup>a</sup> ...	209	...	...	234	273	321	359	394	438	509	558	
USSR..... <sup>b</sup>	146	114	128	154	179	224	245	269	293	321	347	
European Satel- lites.....	61.9	...	...	80.0	91.9	97.0	101	113	121	159	178	
Czechoslovakia..	23.6	...	...	34.9	40.1	41.6	42.5	46.0	53.6	55.9	56.8	
East Germany..	9.50	...	...	5.90	6.69	8.52	10.2	10.3	10.8	11.3	11.9	
Hungary.....	0	0	0	0.30	0.30	0.30	0.42	0.48	0.48	0.48	0.48	
Poland.....	27.9	...	...	38.4	43.7	45.2	48.2	55.8	54.6	89.2	106	
Rumania.....	0.88	...	...	0.52	0.88	1.25	.....	.....	1.66	1.66	2.68	
China.....	<sup>c</sup> 1.00	...	...	.....	2.28	.....	12.9	12.8	23.7	29.8	32.8	

<sup>a</sup> No production in Albania, Bulgaria, and North Vietnam.

<sup>b</sup> 1937 figure.

<sup>c</sup> 1936 figure.

SECRET

97

98

CHEMICALS

Table 111  
 PRODUCTION OF TOLUOL  
 1938 and 1946-56

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc <sup>a</sup> .....	72.5	..	..	72.5	82.4	94.3	103	113	122	135	144	.....
USSR.....	<sup>b</sup> 61	49	53	59	66	77	82	88	94	101	107	115
European Satellites.....	11.0	..	..	13.5	15.8	17.3	18.3	20.4	22.7	27.4	29.9	.....
Czechoslovakia.....	4.42	..	..	6.56	7.52	8.03	7.98	8.60	10.1	10.5	10.7	.....
East Germany.....	2.40	..	..	1.18	1.80	2.50	3.10	3.46	3.60	3.60	3.60	3.90
Hungary.....	0	0	0	0.125	0.125	0.125	0.125	0.200	0.200	0.200	0.200	.....
Poland.....	4.00	..	..	5.49	6.25	6.43	6.89	7.97	8.51	12.8	15.2	.....
Rumania.....	0.136	..	..	0.100	0.136	0.192	0.200	0.200	0.300	0.300	0.300	.....
China.....	<sup>c</sup> 0.50	..	..	.....	0.60	.....	2.76	4.08	5.14	6.46	7.10	7.80

<sup>a</sup> No production in Albania and Bulgaria.<sup>b</sup> 1940 figure.<sup>c</sup> 1936 figure.

SECRET

SECRET

SECRET

CHEMICALS

Table 112  
PRODUCTION OF PHENOL

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	.....	.....	.....	.....	.....	163	212	193	219	240	.....	.....
US.....	.....	.....	.....	.....	.....	132	165	143	174	184	.....	.....
Sino-Soviet Bloc <sup>b</sup> .....	9.0	.....	.....	26.1	29.0	31.8	36.5	44.2	47.9	60.7	89.8	.....
USSR.....	<sup>c</sup> 6.8	16.8	17.3	18.4	19.5	21.2	22.0	23.0	23.9	33.6	60.1	70.6
European Satellites.....	2.2	.....	.....	7.7	9.5	10.7	14.5	21.0	23.8	26.8	29.4	.....
Czechoslovakia.....	1.1	.....	.....	2.8	3.7	4.0	5.0	6.2	7.6	7.9	8.1	.....
East Germany.....	.....	.....	.....	3.60	4.30	5.20	7.90	9.25	10.2	11.4	12.7	13.5
Hungary.....	.....	.....	.....	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	.....
Poland.....	1.1	.....	.....	1.2	1.4	1.4	1.5	5.4	5.8	7.3	8.3	.....
Rumania.....	Negl	.....	.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	0.1	Negl
China.....	.....	.....	.....	.....	.....	.....	.....	0.2	0.2	0.3	0.3	0.4

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
France.....	14	20	UK.....	24	28	West Germany.....	7.8	8.3

<sup>a</sup> The countries included are France, Italy (1950-52), the UK, the US, and West Germany.

<sup>b</sup> No production in Albania, Bulgaria, and North Vietnam.

<sup>c</sup> 1937 figure.

Table 113  
PRODUCTION OF NAPHTHALENE

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	.....	.....	.....	.....	.....	249	283	282	271	290	..	..
US.....	.....	.....	.....	.....	.....	131	153	143	143	135	200	..
Sino-Soviet Bloc <sup>b</sup> .....	50.8	.....	.....	79.7	92.6	108	116	128	139	158	175	..
USSR.....	<sup>c</sup> 32.2	38.5	42.7	50.6	58.7	71.5	77.7	84.9	92.1	100	108	118
European Satellites.....	18.6	.....	.....	29.1	33.6	36.5	37.8	42.5	45.7	55.7	65.4	..
Czechoslovakia.....	10.6	.....	.....	15.5	18.3	19.2	19.9	21.6	23.2	24.7	29.3	..
East Germany.....	.....	.....	.....	2.30	2.40	3.80	4.00	4.70	4.80	5.10	5.30	5.40
Hungary.....	.....	.....	.....	0.50	0.50	0.60	0.60	0.80	0.80	0.80	0.80	..
Poland.....	8.00	.....	.....	10.6	12.1	12.5	13.3	15.4	16.4	24.6	29.3	31.2
Rumania.....	0.30	.....	.....	0.20	0.30	0.40	.....	.....	0.50	0.50	0.70	..
China.....	<sup>d</sup> 2.00	.....	.....	.....	0.30	.....	0.50	0.70	0.90	1.20	1.30	1.40

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
France.....	20.0	26.0	UK.....	36.0	42.0	West Germany.....	68.0	80.0
Italy.....	4.00	7.00						

<sup>a</sup> The countries included are France, Italy, the UK, the US, and West Germany.

<sup>b</sup> No production in Albania, Bulgaria, and North Vietnam.

<sup>c</sup> 1937.

<sup>d</sup> 1936.

SECRET

99

## CHEMICALS

## SECRET

Table 114  
PRODUCTION OF SYNTHETIC RUBBER

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	6.0	821	568	541	447	543	939	892	951	728	1,103	.....
US.....	1.0	752	517	496	400	484	859	811	862	633	986	.....
Sino-Soviet Bloc <sup>b</sup> ..	90.7	64.0	78.5	122	150	145	223	247	278	288	318	350
USSR.....	85	40	50	90	122	143	172	187	211	213	240	270
European Satel- lites.....	5.70	24.0	28.5	31.5	27.9	41.8	51.3	59.5	66.7	74.8	78.3	80.5
Czechoslovakia..	0	.....	0.04	0.30	0.35	0.40	0.45	0.50	0.55	0.58	0.60	.....
East Germany..	5.70	24.0	28.5	30.7	26.5	39.0	48.9	56.3	62.1	67.7	70.7	72.0
Poland.....	0	.....	.....	0.5	1.0	1.4	2.0	2.7	4.0	5.5	7.0	8.5
China.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl

## NATO COUNTRIES

	1954	1955		1954	1955
Canada.....	87.9	106	West Germany.....	7.1	11.0
World Total <sup>c</sup> .....	728				

<sup>a</sup> The countries included are Canada, the US, and West Germany.

<sup>b</sup> No production in Albania, Bulgaria, Hungary, and Rumania.

<sup>c</sup> Excluding the USSR and Eastern Europe.

Table 115  
PRODUCTION OF RECLAIMED RUBBER

Country	1938 and 1946-56										Thousand Metric Tons	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	164	343	334	321	272	372.0	442	334	364	334	.....	.....
US.....	124	300	296	271	228	318.0	372	278	300	261	.....	.....
Sino-Soviet Bloc <sup>b</sup> ....	23.5	26.4	40.4	49.2	57.7	66.9	71.4	84.9	92.3	99.9	.....	.....
USSR.....	21.0	23.0	30.0	37.0	45.0	50.0	55.0	61.0	66.5	72.0	80.0	.....
European Satellites..	2.50	3.40	10.40	12.20	12.70	16.90	16.40	23.9	25.8	27.9	.....	.....
Bulgaria.....	.....	.....	.....	.....	0.09	0.10	0.15	0.20	0.25	0.30	.....	.....
Czechoslovakia....	.....	.....	5.50	6.00	6.50	7.00	8.00	9.00	9.50	10.0	10.5	.....
East Germany....	1.50	2.00	2.50	3.00	3.30	3.80	4.20	5.00	5.50	6.50	6.70	.....
Hungary.....	0.50	0.90	1.90	2.20	.....	3.00	.....	5.20	5.50	5.80	.....	.....
Poland.....	0.50	0.50	0.50	1.00	2.80	3.00	4.50	4.50	5.00	5.00	.....	.....
Rumania.....	.....	.....	.....	.....	.....	.....	.....	.....	0.50	1.20	.....	.....

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Canada.....	4.70	4.00	UK.....	31.4	37.0	West Germany.....	27.2	32.2

<sup>a</sup> The countries included are Canada, the UK, the US, and West Germany. The figure for 1938 includes only production for the US and all Germany.

<sup>b</sup> No production in Albania.

Table 116  
PRODUCTION OF RUBBER TIRES

Country	1938 and 1946-55										Thousand Tires
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	49,400	82,300	95,600	81,300	79,200	95,800	87,200	93,300	107,000	101,000	.....
US.....	<sup>b</sup> 49,400	82,300	95,600	81,300	76,400	92,800	83,400	90,400	96,100	89,100	.....
Sino-Soviet Bloc <sup>c</sup> .....	.....	3,060	4,040	6,540	8,450	10,500	11,300	11,900	12,900	14,600	16,300
USSR.....	3,500	2,980	3,870	5,200	6,690	8,200	8,300	8,400	8,990	10,200	11,600
European Satellites.....	.....	85	173	1,330	1,730	2,250	2,720	3,090	3,400	3,810	4,090
Bulgaria.....	.....	5	8	12.5	26.9	42.7	55.0	60.0	65.8	75.0	87.0
Czechoslovakia.....	.....	.....	.....	953	1,150	1,390	1,570	1,660	1,750	1,850	2,000
East Germany.....	.....	23.5	39	104	217	394	611	772	916	1,140	1,220
Hungary.....	.....	30	48	55	72	106	120	160	175	180	195
Poland.....	.....	26	78	141	172	215	250	310	360	420	425
Rumania.....	.....	.....	.....	68	95	105	110	125	135	146	160
China.....	.....	.....	.....	.....	25	62	225	417	488	577	600

## NATO COUNTRIES

	1953	1954		1953	1954
Canada.....	6,140	6,160	West Germany.....	4,519	5,630

<sup>a</sup> The countries included are Canada, 1953-55, the US, 1935 and 1946-54, and West Germany, 1949-54.

<sup>b</sup> 1935.

<sup>c</sup> No production in Albania.

SECRET

SECRET

CHEMICALS

Table 117

## PRODUCTION OF TURBINES (STEAM AND HYDRAULIC)

Country	1938 and 1946-56										Thousand Kilowatts	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc .....	<sup>a</sup> 1,120	931	1,560	1,890	2,300	3,680	4,330	4,860	6,300	7,500	7,910	9,130
USSR .....	<sup>a</sup> 1,120	571	971	1,150	1,450	2,700	3,020	3,330	4,640	5,460	5,560	6,600
European Satellites .....		360	594	717	817	956	1,270	1,480	1,590	1,940	2,200	2,310
Albania .....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
Bulgaria .....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
Czechoslovakia .....		185	390	490	570	705	990	1,000	1,010	1,090	1,200	1,200
East Germany .....		125	154	157	167	171	192	340	384	590	673	768
Hungary .....		50	50	70	75	75	75	80	96	120	150	165
Poland .....		Negl	Negl	Negl	Negl	Negl	Negl	50	80	100	125	137
Rumania .....		Negl	Negl	Negl	5	5	10	15	20	40	50	50
China .....		Negl	Negl	25	25	30	40	50	75	100	150	210

<sup>a</sup> 1940.

Table 118

## PRODUCTION OF TRANSFORMERS, POWER AND DISTRIBUTION, ALL SIZES

Country	1938 and 1946-56										Thousand Kilovolt-amperes	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc <sup>a</sup> .....	6,520	3,200	4,340	6,740	9,680	12,400	14,600	17,500	21,400	23,200	26,200	29,000
USSR .....	<sup>b</sup> 3,500	1,900	2,900	4,500	6,100	7,300	8,300	9,500	11,000	12,000	14,000	16,000
European Satellites .....	3,020	1,300	1,440	2,240	3,180	4,550	5,480	6,810	8,460	9,060	9,850	10,600
Bulgaria .....	Negl	Negl	Negl	Negl	20	80	130	170	260	280	300	315
Czechoslovakia .....	<sup>c</sup> 600	450	600	800	980	1,100	1,200	1,300	1,400	1,500	1,600	1,700
East Germany .....	<sup>d</sup> 1,900	700	400	500	1,000	1,700	1,800	2,300	2,900	3,000	3,200	3,350
Hungary .....	100	60	130	210	320	480	750	930	1,100	1,200	1,300	1,500
Poland .....	<sup>e</sup> 390	75	300	700	810	1,100	1,400	1,750	2,300	2,400	2,600	2,750
Rumania .....	<sup>e</sup> 30	10	15	25	50	90	200	360	500	680	850	1,000
China .....					400	570	815	1,167	1,960	2,100	2,360	2,430

<sup>a</sup> No production in Albania.<sup>b</sup> 1935.<sup>c</sup> 1937.<sup>d</sup> 1936.<sup>e</sup> 1939.

Table 119  
 PRODUCTION OF ELECTRIC MOTORS, ALL SIZES  
 1938 and 1946-56

Thousand Kilowatts

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc <sup>a</sup> .....	3,850	3,420	4,430	6,780	9,160	11,700	13,300	14,800	16,500	17,600	19,300	21,100
USSR.....	<sup>b</sup> 2,200	2,300	3,300	5,200	7,100	8,500	8,900	9,300	9,800	10,000	11,000	12,000
European Satellites.....	1,650	1,070	1,040	1,470	1,980	2,960	4,200	4,900	5,770	6,610	7,300	8,130
Bulgaria.....	Negl <sup>c</sup>	Negl	Negl	30	110	195	250	315	380	450	470	500
Czechoslovakia.....	<sup>e</sup> 380	580	680	800	940	1,200	1,400	1,700	2,000	2,300	2,600	2,950
East Germany.....	<sup>d</sup> 1,000	400	200	300	500	900	1,450	1,400	1,650	1,750	1,850	2,000
Hungary.....	60	20	50	140	210	320	500	620	720	800	900	980
Poland.....	<sup>e</sup> 200	70	110	190	200	300	480	680	760	970	1,050	1,200
Rumania.....	<sup>e</sup> 10	2	5	10	15	45	120	190	260	340	430	500
China.....	.....	44	81	111	87	200	222	639	915	985	1,000	1,000

<sup>a</sup> No production in Albania.<sup>b</sup> 1935.<sup>c</sup> 1937.<sup>d</sup> 1936.<sup>e</sup> 1939.

SECRET

SECRET

ELECTRICAL INDUSTRY



## ELECTRICAL INDUSTRY

## SECRET

Table 120

## PRODUCTION OF ELECTRIC GENERATORS, ALL SIZES

Country	1938 and 1946-56										Thousand Kilowatts	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc <sup>a</sup> .	1,120	851	1,070	1,360	1,670	2,010	3,550	4,720	6,300	7,220	8,480	9,910
USSR.....	<sup>b</sup> 730	560	680	830	1,000	1,200	2,500	3,300	4,500	4,900	5,800	6,900
European Satel- lites.....	395	280	370	495	645	785	1,020	1,390	1,740	2,230	2,540	2,820
Bulgaria.....	Negl <sup>c</sup>	Negl	Negl	Negl	4	7	9	11	14	16	17	19
Czechoslova- kia.....	<sup>c</sup> 340	250	340	440	550	620	700	750	820	900	980	1,000
East Ger- many.....	<sup>d</sup> 35	20	10	15	20	50	140	350	560	890	1,030	1,200
Hungary.....	20	10	20	40	70	100	160	200	230	260	300	340
Poland.....	Negl <sup>e</sup>	Negl	Negl	Negl	Negl	Negl	Negl	Negl	5	15	20	45
Rumania....	Negl <sup>e</sup>	Negl	Negl	Negl	1	8	15	75	110	150	190	220
China.....	.....	11	21	30	24	26	28	30	59.4	93	140	185

<sup>a</sup> No production in Albania.<sup>b</sup> 1935.<sup>c</sup> 1937.<sup>d</sup> 1936.<sup>e</sup> 1939.

Table 121

## PRODUCTION OF WIRE AND CABLE

Country	1938 and 1946-56										Millions of 1955 US Dollars	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
US <sup>a</sup> .....	<sup>b</sup> 245	.....	895	.....	.....	880	1,100	.....	.....	.....	.....	.....
Sino-Soviet Bloc <sup>c</sup> ..	323	207	273	371	465	556	664	804	958	1,040	1,180	1,320
USSR.....	109	131	178	239	311	363	443	540	655	713	784	862
European Satel- lites.....	214	70.9	88.1	119	140	176	202	240	277	293	330	367
Bulgaria.....	Negl	Negl	Negl	Negl	0.8	1.0	1.7	2.2	5.1	5.6	6.1	7.0
Czechoslovakia.	29.3	13.2	18.1	23.6	29.3	37.2	45.3	54.4	65.3	75.3	86.6	97.0
East Germany.	154	43.5	44.0	52.6	57.9	71.6	79.2	92.3	102	92.3	102	111
Hungary.....	7.3	3.6	5.2	6.1	8.2	11.3	15.1	20.3	27.1	33.9	40.6	46.8
Poland.....	20.3	8.8	17.6	30.8	34.4	40.5	44.0	47.6	52.0	57.3	63.0	69.3
Rumania.....	2.8	1.8	3.2	5.8	9.2	14.7	16.9	23.6	26.2	29.0	32.4	36.0
China.....	.....	4.9	7.2	12.8	13.9	16.7	19.5	22.9	25.4	30.7	64.1	90.4

<sup>a</sup> Insulated wire and cable only; measured in millions of current dollars.<sup>b</sup> 1937.<sup>c</sup> No production in Albania.

## SECRET

## ELECTRICAL INDUSTRY

Table 122

## PRODUCTION OF SWITCHGEAR AND SWITCHBOARD APPARATUS

	1938 and 1946-56							Millions of 1953 US Dollars					
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	
Sino-Soviet Bloc *	145	54.0	70.5	110	153	196	231	280	328	359	402	449	
USSR.....	100	33	51	79	107	128	146	167	190	214	243	282	
European Satellites.....	45	21	18.9	30	45.4	66.5	83.4	109	133	139	152	161	
Bulgaria.....	Negl	Negl	Negl	Negl	Negl	1.5	2.4	3.1	4.7	5.1	5.5	5.7	
Czechoslovakia.....	<sup>b</sup> 10	8.0	10	14	17	19	21	23	25	26	28	30	
East Germany.....	<sup>c</sup> 33	12	7.0	9.0	17	30	32	40	51	52	56	58	
Hungary.....	2.1	0.7	1.8	5.0	7.4	11	18	22	26	28	32	34	
Poland.....	Negl	Negl	1.0	2.0	4.0	5.0	10	21	25	27	29	31	
Rumania.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	1.0	1.0	2.0	2.0	
China.....	....	0.3	0.6	0.9	0.7	1.4	2.0	3.6	5.6	6.1	6.4	6.7	

\* No production in Albania.

<sup>b</sup> 1937.<sup>c</sup> 1936.

Table 123

## PRODUCTION OF STORAGE BATTERIES

	1947-56							Thousand Metric Tons		
Country	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc *. . . .	27.4	31.9	38.9	44.4	50.0	54.3	58.7	63.5	66.9	72.5
USSR. . . . .	17	20	25	29	33	36	39	42.5	44.5	48.0
European Satel- lites. . . . .	10.4	11.9	13.9	15.4	17.0	18.3	19.7	21.0	22.4	24.5
Bulgaria. . . . .	....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
Czechoslovakia. .	3.5	4.0	4.2	4.6	5.0	5.3	5.7	5.9	6.1	6.5
East Germany. . .	4.3	4.9	5.6	6.3	6.8	7.2	7.5	7.9	8.2	8.8
Hungary. . . . .	0.9	1.1	1.8	1.8	2.1	2.3	2.6	2.8	2.9	3.3
Poland. . . . .	1.7	1.9	2.3	2.7	3.1	3.5	3.9	4.4	4.7	5.4
Rumania. . . . .	....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	0.46	0.51

\* No production in Albania.

Table 124

## PRODUCTION OF PRIMARY BATTERIES

	1947-56							Thousand Metric Tons		
Country	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc *	413	614	466	747	1,020	1,520	1,620	1,720	1,820	1,920
USSR.....	10	11	12	13	14	15	16	17	18	19
European Sat- ellites.....	3.0	3.3	3.8	4.2	4.4	4.8	5.3	5.4	5.8	6.2
Bulgaria.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
Czechoslo- vakia.....	0.70	0.82	0.92	1.0	1.1	1.2	1.3	1.3	1.4	1.5
East Ger- many.....	1.1	1.1	1.2	1.3	1.3	1.4	1.6	1.6	1.7	1.8
Hungary.....	.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	.....	.....
Poland.....	1.2	1.4	1.7	1.9	2.0	2.2	2.4	2.5	2.7	2.9
Rumania.....	.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
China <sup>b</sup> .....	400	600	450	730	1,000	1,500	1,600	1,700	1,800	1,900

\* Includes some storage batteries. No batteries produced in Albania.

<sup>b</sup> Includes both primary and storage batteries.

SECRET

105

## ELECTRICAL INDUSTRY

## SECRET

Table 125  
PRODUCTION OF ELECTRON TUBES

Country	1938 and 1946-56										Million Units	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
US <sup>a</sup> .....	75	190	220	200	190	383	430	330	410	400	500	.....
Sino-Soviet Bloc.....	13.6	.....	.....	25.5	29.1	39.4	48.1	59.7	73.6	89.4	106	123
USSR..... <sup>b</sup>	8	12	16	20	22	30	34	41	48	59	69	80
European Satellites.....	5.6	.....	.....	5.5	7.1	9.4	14.1	18.7	25.6	30.4	36.5	42.9
Albania.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
Bulgaria.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
Czechoslovakia....	2.4	.....	.....	1.7	2.5	2.7	2.9	4.0	4.9	5.4	5.9	6.7
East Germany.....	.....	.....	.....	1.0	1.6	2.8	3.8	5.5	6.7	9.5	13.6	17.7
Hungary.....	3.2	.....	.....	2.8	3.0	3.9	7.4	9.2	14.0	15.0	15.0	16.0
Poland.....	.....	.....	.....	Negl	Negl	Negl	Negl	Negl	Negl	0.5	2.0	2.5
Rumania.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
North Korea.....	Negl	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Negl
North Vietnam.....	Negl	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Negl

<sup>a</sup> Includes only those tubes manufactured for civilian use.<sup>b</sup> 1940.

Table 126  
PRODUCTION OF ELECTRONIC RESISTORS

Country	1948-56								Million Units	
	1948	1949	1950	1951	1952	1953	1954	1955	1956	
US <sup>a</sup> .....	696	720	1,160	921	1,020	969	829	893	.....	
Sino-Soviet Bloc.....	.....	96.9	163	199	.....	362	.....	.....	.....	
USSR.....	.....	55	110	130	.....	275	.....	.....	.....	
European Satellites.....	20.5	41.9	53.2	69.3	85.5	86.7	87.0	97.0	114	
Albania.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
Bulgaria.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
Czechoslovakia....	15	20	25	30	30	30	30	30	30	
East Germany....	.....	15	20	30	45	45	45	54	70	
Hungary.....	5.5	6.9	8.2	9.3	10.5	11.7	12	13	14	
Poland.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
Rumania.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
North Korea.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
North Vietnam....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	

<sup>a</sup> Includes only those resistors used in civilian radio and television receivers.

Table 127  
PRODUCTION OF ELECTRONIC CAPACITORS

Country	1948-56								Million Units	
	1948	1949	1950	1951	1952	1953	1954	1955	1956	
US <sup>a</sup> .....	683	627	918	806	887	926	793	853	.....	
Sino-Soviet Bloc.....	.....	122	214	264	.....	464	.....	.....	.....	
USSR.....	.....	50	130	165	.....	350	.....	.....	.....	
European Satellites....	53.9	71.9	83.8	98.6	106	114	115	124	139	
Albania.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
Bulgaria.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
Czechoslovakia.....	50	56	62	67	67	67	67	67	67	
East Germany.....	.....	11	16	25	32	39	39	48	62	
Hungary.....	3.9	4.9	5.8	6.6	7.4	8.3	8.8	9.0	10	
Poland.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
Rumania.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
North Korea.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	
North Vietnam.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	

<sup>a</sup> Includes only those capacitors used in civilian radio and television receivers.

Table 128  
PRODUCTION OF RADIO RECEIVERS

Country	1938 and 1946-56										Thousand Units	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	10,500	.....	23,300	20,000	15,700	20,400	18,900	16,100	18,900	16,900	21,300	.....
US.....	<sup>b</sup> 8,080	.....	20,000	16,500	11,400	14,600	12,600	10,900	13,400	10,400	14,500	.....
Sino-Soviet Bloc <sup>c</sup> .....	705	448	596	1,000	1,480	1,810	2,180	2,360	3,070	4,730	5,860	6,800
USSR.....	<sup>d</sup> 207	272	314	518	856	1,040	1,210	1,280	1,630	2,870	3,500	4,300
European Satellites.....	498	176	282	482	626	764	967	1,070	1,440	1,860	2,360	2,500
Bulgaria.....	Negl	.....	.....	2.4	2.5	7.1	7.9	10.0	26.0	83.0	125	160
Czechoslovakia.....	<sup>b</sup> 283	105	160	268	256	245	230	270	320	340	374	400
East Germany.....	.....	60	100	150	220	275	374	398	600	813	900	945
Hungary.....	70	11	15	24	70	100	165	140	155	215	373	400
Poland.....	145	.....	7	37	66	112	150	210	260	308	460	460
Rumania.....	Negl	.....	.....	1.1	12.0	25.0	40.0	45.0	75.0	100	125	140

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada.....	457	572	UK.....	1,970	2,140	West Germany.....	2,850	2,830
France <sup>e</sup> .....	1,200	1,220						

<sup>a</sup> The countries included are Canada, Denmark, France, Norway, the UK, the US, and West Germany. The 1938 total includes 1937 figures for Canada, the US, and the UK. West Germany is included for 1949-54. Totals for 1954-55 do not include production in Norway and Denmark.

<sup>b</sup> 1937.

<sup>c</sup> No production in Albania.

<sup>d</sup> 1940.

<sup>e</sup> Deliveries.

SECRET

SECRET

ELECTRICAL INDUSTRY

108

ELECTRICAL INDUSTRY

Table 129  
PRODUCTION OF TELEVISION RECEIVERS

Country	1938 and 1946-56										Thousand Units	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....			207	1,070	3,220	8,040	6,160	7,060	8,890	9,400	9,650	.....
US.....		6	179	975	3,000	7,460	5,380	6,100	7,220	7,350	6,520	.....
Sino-Soviet Bloc <sup>b</sup> .....	0.1	0.1	1.0	3.0	5.0	10	50.6	77.5	138	374	662	1,080
USSR.....	<sup>c</sup> 0.1	0.1	1.0	3.0	5.0	10	20	42	95	284	550	930
European Satellites.....	0	0	0	0	Negl	Negl	30.6	35.5	43.1	90.5	112	150
Czechoslovakia.....	0	0	0	0	Negl	Negl	Negl	1	3	9	22	51
East Germany.....		0	0	0	Negl	Negl	30.6	34.5	40.1	79.5	84.2	89.5
Hungary.....		0	0	0	0	0	Negl	Negl	Negl	2.0	3.6	6.4
Poland.....	0	0	0	0	0	0	0	0	Negl	Negl	2.5	3.0

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada.....	596	852	France <sup>d</sup> .....	123	188	West Germany.....	129	316
Denmark.....	1	.....	UK.....	1,210	1,770			

<sup>a</sup> The countries included are Canada, 1949-55; Denmark, 1953-54; France, 1948-55; the UK, and the US, all years; and West Germany, 1953-55.

<sup>b</sup> No production in Albania, North Korea, and North Vietnam. No production in Bulgaria, Rumania, and China until 1955. In 1955 and 1956 production was negligible.

<sup>c</sup> 1940.

<sup>d</sup> Deliveries.

SECRET

SECRET

Table 130  
PRODUCTION OF MACHINE TOOLS  
1938 and 1946-55

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
US.....							82,000	110,000	90,000	85,000	80,000
Sino-Soviet Bloc.....	66,000	38,800	58,000	82,300	100,000	118,000	129,000	150,000	164,000	171,000	191,000
USSR.....	54,000	31,000	48,000	59,000	71,000	79,000	82,000	85,000	88,000	92,000	105,000
European Satellites <sup>a</sup> .....	12,000	7,800	9,980	23,300	27,400	35,300	41,300	51,200	55,900	63,400	71,800
Bulgaria.....						100	150	200	200	250	300
Czechoslovakia.....	<sup>b</sup> 7,000	6,200	9,700	11,800	13,000	13,500	14,000	15,500	16,000	18,000	21,000
East Germany.....	<sup>b</sup> 38,000			7,600	8,700	16,000	19,000	24,000	26,000	28,000	30,000
Hungary.....	31		275	550	950	1,300	1,820	3,300	3,600	4,000	6,000
Poland.....	<sup>b</sup> 1,200	1,600		3,300	4,700	4,100	5,900	7,600	9,200	11,900	13,000
Rumania.....	0			60	100	300	400	600	900	1,200	1,500
China.....					1,600	3,320	5,880	13,700	20,500	15,900	13,700

<sup>a</sup> No production in Albania.

<sup>b</sup> 1939.

Table 131  
INVENTORY OF MACHINE TOOLS  
1938 and 1946-56

Year	Thousand Units			
	USSR	China	UK	US
1938.....	380			
1946.....	671		<sup>a</sup> 800	<sup>a</sup> 1,711
1947.....	783			
1948.....	909			
1949.....	1,050	60.0	859	1,760
1950.....	1,120	66.3		
1951.....	1,200	75.2		
1952.....	1,290	89.4		
1953.....	1,370	109		
1954.....	1,460	128		
1955.....	1,600	148		
1956.....	1,760			

<sup>a</sup> 1945 figure.

Table 132  
PRODUCTION OF METALFORMING MACHIN-  
ERY IN THE USSR *only Centrally Planned production*  
1938 and 1946-56

Year	Production	Year	Production
1938.....	3,100	1951.....	9,000
1946.....	2,200	1952.....	10,000
1947.....	3,000	1953.....	11,000
1948.....	4,000	1954.....	13,000
1949.....	6,000	1955.....	13,900
1950.....	7,900	1956.....	16,000

SECRET

SECRET

MACHINERY

110

MACHINERY

Table 133  
 PRODUCTION OF ANTIFRICTION BEARINGS  
 1938 and 1946-56

1938 and 1946-56											Thousand Units	
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc *	31,300	26,600	37,000	48,400	62,200	86,200	113,000	134,000	157,000	181,000	215,000	241,000
USSR	26,000	26,000	35,000	45,000	57,000	77,000	100,000	117,000	134,000	151,000	180,000	201,000
European Satellites	5,300	600	2,000	3,430	5,210	8,900	12,500	16,400	21,900	28,600	33,100	38,000
Bulgaria	0	0	0	0	0	0	0	0	Negl	Negl	Negl	Negl
Czechoslovakia	Negl	Negl	800	1,400	2,700	4,600	6,000	7,700	9,700	11,800	12,800	14,000
East Germany	5,300	600	1,200	2,000	2,500	3,900	5,300	7,000	9,500	12,500	14,000	16,000
Hungary	0	0	0	0	0	0	Negl	Negl	300	1,000	2,000	2,500
Poland	0	0	0	0	Negl	200	900	1,300	1,700	2,100	2,500	3,000
Rumania	0	0	0	0	7	200	300	400	700	1,200	1,500	2,200
China		0	0	27		262	380	431	700	1,000	1,500	2,200

\* No production in Albania and North Vietnam.

SECRET

SECRET

SECRET

MACHINERY

Table 134

## PRODUCTION OF TEXTILE MACHINERY

Year	1938 and 1946-55		Units	
	Looms		Spindles	
	USSR	China	USSR	China
1938.....	* 4,100	.....	287,000	.....
1946.....	1,100	.....	67,000	.....
1947.....	2,200	.....	230,000	.....
1948.....	4,000	.....	473,000	.....
1949.....	6,900	.....	643,000	.....
1950.....	8,700	.....	636,000	.....
1951.....	7,300	4,000	477,000	64,000
1952.....	10,200	6,000	563,000	250,000
1953.....	10,400	8,500	563,000	286,000
1954.....	17,300	13,000	614,000	325,000
1955.....	16,000	14,800	647,000	425,000

\* 1937 figure.

Table 135

## PRODUCTION OF COAL MINING EQUIPMENT

Item	1938 and 1946-55										Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
<i>Coal Cutters</i> <sup>a</sup>											
USSR.....	1,110	845	1,400	1,320	1,400	1,120	1,100	1,180	1,260	1,350	1,430
UK.....		1,040	1,170	1,250	1,140	891	703	775	968	991	931
<i>Coal Loaders</i> <sup>b</sup>											
USSR.....			91	476	525	505	750	840	940	1,030	1,130
UK <sup>c</sup> .....		117	105	107	113	95	72	43	63	99	104
<i>Coal Combines</i> <sup>d</sup>											
USSR.....		20	85	213	216	310	340	390	440	490	540

<sup>a</sup> Only other Bloc estimates available are for 1951 as follows: Czechoslovakia, 10; Hungary, 15, and Poland, 10.<sup>b</sup> Other Bloc estimates available are as follows: Bulgaria: 1952, 5; Czechoslovakia: 1951, 5; Hungary: 1950, 10, 1951, 20; and Poland: 1952, 20.<sup>c</sup> Power loaders (including cutter-loaders).<sup>d</sup> Other Bloc estimates available are as follows: Czechoslovakia: 1951, 5; Hungary: 1950, 50; 1951, 100; 1952, 100; Poland: 1951, 5; 1952, 55.

Table 136

## PRODUCTION OF METALLURGICAL EQUIPMENT IN THE USSR

1938 and 1946-55		Metric Tons	
Year	Production	Year	Production
1938.....	17,000	1951.....	94,520
1946.....	44,800	1952.....	105,860
1947.....	48,400	1953.....	124,910
1948.....	93,900	1954.....	153,370
1949.....	119,200	1955.....	171,780
1950.....	133,440		

SECRET

111



112

MACHINERY

Table 137  
PRODUCTION OF AGRICULTURE MACHINERY  
1938 and 1946-55

Item	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	Units
Moldboard Plows <sup>a</sup>												
US.....		162,000	244,000	309,000	329,000	342,000	336,000	244,000	158,000	117,310	.....	
UK.....	5,160	18,300	41,100	66,200	51,600	52,100	61,700	44,700	28,500	29,700	24,200	
USSR.....	<sup>b</sup> 96,400	11,900	23,900	53,500	82,900	121,900	140,000	94,400	95,300	101,000	103,200	
Seed Drills <sup>c</sup>												
US.....		36,800	49,100	65,500	71,700	71,900	71,900	57,900	45,700	24,185	.....	
UK <sup>d</sup> .....	352	3,250	2,560	3,110	3,530	6,470	6,620	6,720	4,270	4,010	3,800	
USSR.....	<sup>b</sup> 62,900	6,900	19,400	41,000	64,000	118,400	136,000	105,000	105,000	95,300	123,300	
Cultivators <sup>e</sup>												
US.....		151,000	246,000	359,000	327,000	248,000	288,000	259,000	147,000	164,706	.....	
UK.....	3,540	14,400	18,900	39,700	23,000	22,500	28,900	23,200	13,100	12,100	.....	
USSR.....	<sup>b</sup> 68,100	15,100	31,800	41,700	59,200	98,900	116,000	106,000	87,700	93,800	112,100	

<sup>a</sup> Tractor drawn.

<sup>b</sup> 1937 figure.

<sup>c</sup> Includes seed and feed drills (tractor drawn).

<sup>d</sup> Includes some fertilizer drills.

<sup>e</sup> All tractor-drawn and mounted types.

SECRET

Table 138  
PRODUCTION OF GRAIN COMBINES \*

Country	1938 and 1946-55										Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>b</sup> .....		48,900	77,000	91,500	107,000	121,000	115,000	86,800	84,200	64,254	.....
US.....		48,800	76,600	90,700	105,000	116,000	109,000	81,500	79,400	58,134	<sup>c</sup> 53,000
Sino-Soviet Bloc <sup>d</sup> .....					29,100	46,300	53,300	41,400	42,500	40,200	51,200
USSR.....	<sup>e</sup> 48,900	1,350	2,800	14,500	29,100	46,300	53,200	<sup>f</sup> 41,000	<sup>f</sup> 41,000	38,600	48,000
European Satellites.....	0	0	0	0	1	11	80	440	1,480	1,640	3,200
Bulgaria <sup>g</sup> .....	0	0	0	0	0	1	0	0	1	303	320
Czechoslovakia <sup>h</sup> .....	0	0	0	0	0	0	0	0	0	3	5
East Germany <sup>h</sup> .....	0	0	0	0	0	0	0	Negl	Negl	<sup>i</sup> 400	<sup>i</sup> 1,040
Hungary <sup>i</sup> .....	0	0	0	0	0	5	80	440	1,480	896	1,534
Poland <sup>h</sup> .....	0	0	0	0	0	0	0	0	0	40	300
Rumania <sup>g</sup> .....	0	0	0	0	1	10	Negl	Negl	0	0	2
China <sup>g</sup> .....	0	0	0	0	0	0	0	0	0	0	2

## NATO COUNTRIES

	1954	1955
UK <sup>j</sup> .....	6,120	6,210

\* Includes self-propelled and pull type.

<sup>b</sup> The countries included are the UK and the US.<sup>c</sup> Nine month figure.<sup>d</sup> No production in Albania.<sup>e</sup> 1937 figure.<sup>f</sup> Deliveries to agriculture.<sup>g</sup> Tractor-drawn only.<sup>h</sup> Self-propelled only.<sup>i</sup> Plan figure.<sup>j</sup> Includes some threshers.

SECRET

SECRET

MACHINERY

## MACHINERY

SECRET

Table 139  
PRODUCTION OF TRACTORS \*

Country	1938 and 1946-56										Thousand Units	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	35.4	286	539	710	742	737	862	711	675	590	.....	.....
US.....	.....	284	471	569	600	542	617	466	445	288	• 347	.....
Sino-Soviet Bloc <sup>d</sup> .....	51.4	14.4	34.4	69.0	106	134	121	129	143	169	199	234
USSR.....	49.2	13.3	27.8	56.9	88.2	109	91.8	98.7	111	135	164	197
European Satel- lites.....	2.20	1.11	6.55	12.2	18.0	25.0	28.9	30.1	32.0	34.2	35.5	37.0
Czechoslova- kia.....	• 0.204	0.938	5.60	9.10	10.0	10.0	11.5	13.0	13.0	14.0	14.5	15.0
East Germany.....	.....	.....	.....	0	0.82	3.7	6.0	7.3	7.5	7.5	8.0	9.0
Hungary.....	.....	0.17	0.40	0.90	2.75	4.15	3.85	.....	.....	.....	.....	.....
Poland.....	.....	.....	0.15	1.20	2.50	3.80	4.20	6.00	6.90	7.70	8.00	8.00
Rumania.....	2.0	.....	0.40	0.95	1.90	3.30	3.35	3.80	4.65	5.00	5.00	5.00

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
France.....	39.8	64.8	UK.....	135	133	West Germany.....	107	149
Italy.....	19.6	21.7						

\* Wheel type and caterpillar only; excluding garden-type.

<sup>b</sup> The countries included are: France, Italy, the UK, the US, and West Germany. The total for 1938 does not include US production. The total for 1946 does not include Italy, the UK, and West Germany.

<sup>c</sup> Eleven months' total.

<sup>d</sup> No production in Albania and Bulgaria.

• 1937.

SECRET

SECRET

TRANSPORTATION EQUIPMENT

Table 140

## PRODUCTION OF MARITIME VESSELS \*

Country	1938 and 1946-56						Thousand Gross Register Tons					
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	2,300	1,910	1,830	2,000	2,590	2,730	2,720	3,250	3,910	4,140	3,760	....
US.....	160	501	165	126	633	437	166	468	528	476	72	....
Sino-Soviet Bloc <sup>c</sup> ..	.....	.....	.....	.....	.....	43.7	54.2	93.8	156	215	254	203
USSR.....	.....	.....	.....	.....	.....	23.0	32.0	40.0	94.0	105	112	118
European Satel- lites.....	.....	.....	.....	.....	.....	20.7	22.2	53.8	62.3	109	138	81.1
Albania.....	.....	.....	.....	.....	.....	0.30	0.35	0.35	0.40	0.40	0.40	0.40
East Germany.....	.....	.....	.....	.....	.....	0.559	3.90	14.0	7.0	40.6	57.0	....
Hungary.....	.....	.....	.....	.....	.....	13.1	9.5	10.7	9.6	10.7	10.7	10.7
Poland.....	.....	.....	.....	.....	.....	6.7	8.5	28.8	45.3	57.2	70.0	70.0
China <sup>d</sup> .....	.....	.....	.....	.....	.....	0	0	0	0	1.2	3.6	4.0

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	124	81	Italy.....	162	167	Portugal.....	8	6
Canada.....	53	22	Netherlands.....	410	396	UK.....	1,410	1,470
Denmark.....	130	154	Norway.....	138	141	West Germany.....	963	928
France.....	266	326						

## OTHER MAJOR COUNTRIES

Finland.....	45	50	Spain.....	50	73	Yugoslavia.....	24	31
Japan.....	414	829	Sweden.....	544	526			
World Total <sup>e</sup> ....	5,250	5,320						

\* Maritime vessels launched. Self-propelled ocean-going and harbor vessels of 100 gross tons and over.

<sup>b</sup> The countries included are Belgium, Canada, Denmark, France, Italy, Netherlands, Norway, Portugal, the UK, the US, and West Germany.

<sup>c</sup> No production in Bulgaria, Czechoslovakia, Rumania, and N. Korea.

<sup>d</sup> Excludes all coastal junks which are apparently being replaced.

<sup>e</sup> Excludes the USSR and Poland. Figures include steam and motor ships.

Table 141

## PRODUCTION OF INLAND VESSELS (SELF-PROPELLED)

Country	1950-56				Thousand Horsepower		
	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc <sup>a</sup> .....	84.6	96.0	106	120	132	149	165
USSR.....	46.8	50.9	54.9	59.0	63.0	67.0	80.0
European Satellites.....	24.3	28.6	43.5	59.4	61.7	65.4	62.7
Bulgaria.....	0.794	0.854	0.854	1.01	1.01	1.01	1.01
Czechoslovakia.....	7.20	7.20	13.4	19.2	19.2	19.2	19.2
East Germany.....	0	2.80	4.80	5.80	7.80	6.60	.....
Hungary.....	2.40	2.40	7.50	14.7	12.9	15.7	17.3
Poland.....	0	0	0	0	Negl	Negl	Negl
Rumania.....	13.9	15.3	16.9	18.7	20.8	22.9	25.2
China.....	13.5	16.5	7.50	1.80	7.20	16.2	22.0

<sup>a</sup> No production in Albania and North Korea.

SECRET

115

## TRANSPORTATION EQUIPMENT

SECRET

Table 142

## PRODUCTION OF INLAND WATER VESSELS (NON-SELF-PROPELLED)

Country	1950-56			Thousand Dead Weight Tons (Capacity)			
	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc <sup>a</sup> .....	722	725	733	734	739	756	636
USSR.....	679	679	679	679	679	679	583
European Satellites.....	30.8	33.4	40.4	53.8	43.0	45.9	48.9
Bulgaria.....	8.98	9.55	9.55	11.5	11.5	11.5	11.5
Czechoslovakia.....	2.40	2.40	7.20	16.2	2.40	2.40	2.40
Rumania.....	19.4	21.4	23.6	26.1	29.1	32.0	35.0
China <sup>b</sup> .....	11.6	12.8	13.6	1.2	16.9	31.0	3.8

<sup>a</sup> No production in Albania, East Germany (1956 information not available), Hungary, Poland and North Korea.

<sup>b</sup> Excludes inland junks which are apparently being replaced by barges.

Table 143

## PRODUCTION OF FISHING VESSELS (ALL TYPES)

Country	1950-56			Thousand Gross Register Tons			
	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc <sup>a</sup> .....	81.5	112	104	84.5	87.5	109	84.1
USSR.....	13.9	18.4	22.8	27.2	31.7	36.1	57.1
European Satellites.....	65.1	91.4	79.4	55.3	51.0	65.0	18.0
Albania.....	0.10	0.15	0.15	0.20	0.20	0.20	0.20
East Germany.....	55.4	74.5	66.0	41.3	34.6	48.5	.....
Poland.....	5.3	12.0	8.0	8.0	9.8	9.3	10.0
Rumania.....	4.3	4.7	5.2	5.8	6.4	7.0	7.8
China <sup>b</sup> .....	0	0	0	0	1.8	3.0	4.0
North Korea.....	2.5	2.5	2.0	2.0	3.0	5.0	5.0

<sup>a</sup> No production in Bulgaria and Czechoslovakia.

<sup>b</sup> Excludes junks or other native types.

Table 144

PRODUCTION OF TANKERS, TUGS, BARGES,  
AND MISCELLANEOUS VESSELS, IN  
THE USSR

Year	1950-56			
	Gross Register Tons			
	Tankers	Tugs	Barges and other non-self-propelled	Cargo and other self-propelled N.E.C. <sup>a</sup>
1950.....	10,000	3,000	30,000	10,000
1951.....	18,000	3,170	30,000	10,800
1952.....	25,000	3,360	30,000	11,800
1953.....	78,000	3,560	30,000	12,800
1954.....	87,000	3,770	30,000	13,800
1955.....	93,400	4,000	30,000	15,000
1956.....	98,000	4,200	30,000	15,800

<sup>a</sup> Not elsewhere classified.

SECRET

## SECRET

## TRANSPORTATION EQUIPMENT

Table 145

## PRODUCTION OF MAINLINE LOCOMOTIVES (ALL TYPES)

Country	1938 and 1946-56											Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	1,470	2,990	3,850	4,320	3,510	6,540	6,520	4,230	3,330	2,480	2,610	.....
US <sup>b</sup> .....	300	1,680	2,880	3,150	1,920	4,750	4,440	2,040	2,110	1,110	1,180	.....
Sino-Soviet Bloc <sup>c</sup> .....	1,600	572	1,310	2,070	2,200	1,970	1,770	1,580	2,180	2,040	2,080	2,540
USSR..... <sup>d</sup>	1,208	271	825	1,280	1,460	1,212	875	715	1,420	1,118	1,056	1,500
European Satel- lites.....	397	301	486	789	732	756	896	843	763	865	921	1,040
Bulgaria.....	0	0	0	1	1	0	1	0	0	0	0	0
Czechoslo- vakia.....	<sup>d</sup> 74	144	234	301	308	325	350	350	351	352	355	360
East Germany	<sup>e</sup> 100	0	0	0	0	0	0	0	0	1	3	20
Hungary.....	70	.....	.....	170	115	100	220	200	137	154	175	215
Poland.....	28	157	202	242	228	241	265	238	215	258	278	300
Rumania.....	<sup>e</sup> 125	.....	50	75	80	90	60	55	60	100	110	150
China.....	.....	.....	.....	.....	.....	.....	.....	20	1	52	98	.....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
France.....	82	109	Italy.....	12	88	UK.....	1,280	1,230

<sup>a</sup> The countries included are Canada, Denmark, France, Italy, the UK, the US, and Western Germany. However, Canada was included only for 1938 and 1946-52; Denmark for 1947-52; and West Germany for 1949-52. Figures include output of railway and private shops for domestic use and export. Locomotives include all railway types irrespective of gauge or form of power but exclude self-propelled cars, mining and industrial locomotives.

<sup>b</sup> Beginning in 1947, number on order.

<sup>c</sup> No production in Albania, North Korea, and North Vietnam.

<sup>d</sup> 1937 figure.

<sup>e</sup> Estimated capacity.

Table 146

## PRODUCTION OF STEAM LOCOMOTIVES

Country	1938 and 1946-56											Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
US.....	.....	.....	72	86	57	12	18	19	15	0	0	.....
Sino-Soviet Bloc <sup>a</sup> .....	1,570	571	1,240	1,930	2,040	1,740	1,440	1,210	1,710	1,670	1,660	1,910
USSR..... <sup>b</sup>	1,172	270	750	1,140	1,310	985	540	350	950	758	654	900
European Satel- lites.....	397	301	486	789	732	756	896	843	760	859	911	1,010
Bulgaria.....	0	0	0	1	1	0	1	0	0	0	0	0
Czechoslo- vakia.....	<sup>b</sup> 74	144	234	301	308	325	350	350	350	350	350	350
East Germany	<sup>c</sup> 100	0	0	0	0	0	0	0	0	1	3	20
Hungary.....	70	.....	.....	170	115	100	220	200	135	150	170	190
Poland.....	28	157	202	242	228	241	265	238	215	258	278	300
Rumania.....	<sup>c</sup> 125	.....	50	75	80	90	60	55	60	100	110	150
China.....	.....	.....	.....	.....	.....	.....	.....	20	1	52	98	.....

## NATO COUNTRIES

	1954	1955		1954	1955
France.....	35	6	UK.....	583	469

<sup>a</sup> No production in Albania, North Korea, and North Vietnam.

<sup>b</sup> 1937 figure.

<sup>c</sup> Estimated capacity.

SECRET

117

## TRANSPORTATION EQUIPMENT

SECRET

Table 147  
PRODUCTION OF DIESEL LOCOMOTIVES

Country	1938 and 1946-56										Units	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
US.....	....	....	771	1,400	1,800	2,380	2,540	3,040	2,090	1,100	1,170	...
Sino-Soviet Bloc <sup>a</sup> .....	....	....	....	....	....	....	....	....	....	242	272	425
USSR.....	<sup>b</sup> 4	0	25	55	55	125	200	230	280	<sup>c</sup> 240	<sup>c</sup> 268	400
European Satellites...	0	0	0	0	0	0	0	0	0	2	4	25
Czechoslovakia....	0	0	0	0	0	0	0	0	0	1	2	5
Hungary.....	0	0	0	0	0	0	0	0	0	1	2	20

## NATO COUNTRIES

	1954	1955
UK.....	687	760

<sup>a</sup> No production in Albania, Bulgaria, East Germany, Poland, Rumania, China, North Korea, and North Vietnam.

<sup>b</sup> 1937.

<sup>c</sup> The figures officially reported for 1954-55 are 120 and 134 respectively but the meaning of the unit of measure used, "shtuk," is not defined. It is here assumed that "shtuk" refers to complete locomotives, which for these years comprised two sections each. On this assumption the figures have been doubled to bring them into closer agreement with other information.

Table 148  
PRODUCTION OF ELECTRIC LOCOMOTIVES

Country	1938 and 1946-56										Units	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
US.....	....	....	2	4	0	12	3	2	...	10	...	...
Sino-Soviet Bloc <sup>a</sup> .....	....	..	..	..	..	..	..	..	188	124	140	210
USSR.....	<sup>b</sup> 32	1	50	85	100	102	135	135	185	120	134	200
European Satellites...	....	..	..	..	..	..	..	..	3	4	6	10
Czechoslovakia....	....	0	0	0	0	0	0	0	1	1	3	5
Hungary.....	....	0	0	0	0	0	0	0	2	3	3	5

## NATO COUNTRIES

	1954	1955		1954	1955
France.....	47	103	UK.....	6	...

<sup>a</sup> No production in Albania, Bulgaria, East Germany, Rumania, China, North Korea, and North Vietnam. Production in Poland is unknown for 1938, zero from 1946 to 1952 and information is not available since that date. Production for 1938 is also unknown for East Germany and Rumania.

<sup>b</sup> 1937 figure.

SECRET

SECRET

TRANSPORTATION EQUIPMENT

Table 149  
 PRODUCTION OF RAILROAD PASSENGER CARS  
 1938 and 1946-56

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	645	2,250	2,040	2,350	3,280	4,540	2,900	1,820	2,170	3,250	3,370	.....
US.....	352	1,360	696	822	995	954	311	132	391	585	983	.....
Sino-Soviet Bloc <sup>b</sup> ...	912	105	658	1,170	1,620	2,480	2,960	3,290	3,990	4,430	5,000	5,410
USSR.....	<sup>c</sup> 912	100	400	500	570	<sup>c</sup> 912	1,100	1,300	1,500	<sup>c</sup> 1,751	<sup>c</sup> 1,772	2,000
European Satel- lites.....		5	258	667	1,050	1,560	1,860	1,980	2,450	2,590	3,080	3,210
Bulgaria.....	0	0	0	0	0	0	0	5	5	10	20	30
Czechoslovakia.....			150	250	300	300	350	400	400	500	<sup>c</sup> 565	600
East Germany.....				10	200	600	640	600	700	700	750	750
Hungary.....				200	250	250	250	250	275	275	<sup>c</sup> 296	350
Poland.....		<sup>c</sup> 5	<sup>c</sup> 108	<sup>c</sup> 207	<sup>c</sup> 194	250	300	350	<sup>c</sup> 511	<sup>c</sup> 463	750	780
Rumania.....					110	165	320	380	560	640	700	700
China.....								6	<sup>d</sup> 42	<sup>d</sup> 90	<sup>d</sup> 150	<sup>d</sup> 200

## NATO COUNTRIES

	1954	1955		1954	1955
France.....	261	173	UK.....	2,400	2,210

<sup>a</sup> The countries included are France, the UK, and the US.

<sup>b</sup> No production in Albania, North Korea, and North Vietnam.

<sup>c</sup> 1937 figure.

<sup>d</sup> Plan figure.

SECRET

119



Table 150

## PRODUCTION OF MAINLINE FREIGHT CARS (ALL TYPES)

Country	1938 and 1946-56										Two-axle Equivalent Unit <sup>a</sup>	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup>	49,700	101,000	135,000	168,000	159,000	90,000	144,000	123,000	144,000	114,000	124,000	.....
US	17,000	60,000	96,200	115,000	95,200	44,200	96,000	79,300	83,600	38,300	42,100	.....
Sino-Soviet Bloc <sup>c</sup>	82,800	44,400	73,000	101,000	138,000	154,000	120,000	102,000	108,000	111,000	136,000	164,000
USSR	<sup>e</sup> 59,600	28,000	45,000	59,000	87,000	101,600	75,000	48,000	49,000	47,800	68,800	95,000
European Satellites	23,200	16,400	28,000	42,200	50,900	52,400	44,800	47,800	54,400	57,700	57,700	61,700
Bulgaria	0	0	0	0	0	0	140	250	600	600	1,000	1,000
Czechoslovakia	1,650	9,400	13,800	14,000	14,000	14,000	13,000	12,000	15,700	15,700	15,700	16,000
East Germany	<sup>d</sup> 14,000	2,000	2,800	4,400	6,200	7,300	7,700	10,200	11,600	11,000	10,000	10,000
Hungary	3,000	.....	.....	7,200	9,900	10,000	8,000	9,000	9,000	9,000	9,000	9,000
Poland	569	5,040	11,460	16,633	16,800	17,136	11,778	12,132	12,496	15,431	16,048	18,500
Rumania	<sup>d</sup> 4,000	.....	.....	.....	4,000	4,000	4,200	4,200	5,000	6,000	6,000	7,000
China	.....	.....	.....	.....	.....	.....	.....	5,792	4,602	5,445	9,258	7,600

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
France	9,360	8,430	UK	61,900	64,000	West Germany	3,960	9,120

<sup>a</sup> US freight cars for the most part are 4-axle units; the unit size is not known for NATO.

<sup>b</sup> The countries included are: France, the UK, the US, and West Germany. West Germany is not included in the NATO total for years 1946-47.

<sup>c</sup> 1937 figure.

<sup>d</sup> Estimated production capacity.

<sup>e</sup> No production in Albania, North Korea, and North Vietnam.

Table 151  
PRODUCTION OF AUTOMOBILES  
1938 and 1946-56

Country	Thousand Units										
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	2,910	2,500	4,120	4,590	6,090	8,060	6,810	5,850	7,970	7,750	10,700
US <sup>b</sup> .....	2,000	2,150	3,560	3,910	5,120	6,670	5,340	4,320	6,120	5,560	7,920
Sino-Soviet Bloc <sup>c</sup> .....	40.7	6.50	19.4	36.7	66.0	93.8	96.3	97.0	111	133	150
USSR <sup>d</sup> .....	27.0	6.5	10.0	20.5	46.0	64.6	62.5	59.0	77.0	94.7	108
European Satellites.....	13.7	0	9.4	16.2	20.0	29.2	33.8	38.0	34.2	38.4	42.4
Czechoslovakia.....	11.4	.....	9.4	16.2	20.0	24.2	23.5	20.0	20.0	20.0	20.0
East Germany.....	.....	.....	.....	.....	.....	5.0	10.3	16.4	12.0	16.0	20.0
Hungary.....	0.2	0	0	0	0	0	0	0	0	0	0
Poland.....	2.1	.....	.....	0	0	0	Negl	1.6	2.2	2.4	2.4

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada.....	282	374	Italy.....	188	244	West Germany.....	518	706
France.....	437	552	UK.....	769	898			

## OTHER MAJOR COUNTRY

Japan..... 8.5 13.3

<sup>a</sup> The countries included are Canada, France, Italy, the UK, the US, and West Germany. Includes all types of motor vehicles usable as private cars, but excludes two- or three-wheeled motorcycles.

<sup>b</sup> Factory sales.

<sup>c</sup> No production in Albania, Bulgaria, and Rumania.

<sup>d</sup> Jeeps are included in passenger car estimates for the USSR, following Soviet statistical practice.

SECRET

SECRET

TRANSPORTATION EQUIPMENT

122

SECRET

TRANSPORTATION EQUIPMENT

SECRET

Table 152  
PRODUCTION OF COMMERCIAL VEHICLES <sup>a</sup>  
1938 and 1946-56

Country	Thousand Units											
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	732	1,250	1,580	1,780	1,610	1,910	2,070	1,880	1,840	1,730	2,100	.....
US.....	488	941	1,240	1,380	1,130	1,340	1,430	1,220	1,210	1,040	1,280	.....
Sino-Soviet Bloc <sup>c</sup> .....	187	.....	127	181	234	304	242	274	310	341	372	418
USSR <sup>d</sup> .....	184.4	.....	122.0	174.0	220.5	294.4	220.5	244.0	271.0	300.9	329.0	370.0
European Satellites.....	3.0	2.9	5.3	7.4	7.2	9.5	21.2	29.7	39.5	40.0	42.6	47.7
Czechoslovakia.....	1.6	2.9	5.2	7.0	7.2	6.0	9.1	10.0	12.0	12.0	12.0	15.0
East Germany.....	.....	.....	.....	.....	.....	1.2	4.8	7.3	11.6	11.0	12.0	13.0
Hungary.....	0.6	.....	0.1	0.4	.....	1.3	4.7	5.5	5.5	5.5	5.5	5.5
Poland.....	0.8	.....	.....	Negl	Negl	1.0	2.6	6.9	10.4	11.5	12.6	13.7
Rumania.....	0	0	0	0	0	0	0	0	Negl	Negl	0.5	0.5

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada.....	68.2	79.2	UK.....	269	340	West Germany.....	162	203
France.....	163	172						

## OTHER MAJOR COUNTRY

Japan.....	52.2	46.9
------------	------	------

<sup>a</sup> Includes light and heavy trucks, wheeled tractors for road haulage, special vehicles and busses.

<sup>b</sup> The countries included are Canada, France, Italy, the UK, the US, and West Germany.

<sup>c</sup> No production in Albania and Bulgaria.

<sup>d</sup> Excludes busses, wheeled tractors, and jeeps.

SECRET

TRANSPORTATION EQUIPMENT

Table 153  
PRODUCTION OF AIRCRAFT BY TYPE IN THE US

Type	1946-55						Number of Aircraft			
	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Grand Total.....	36,398	17,717	9,794	6,109	6,294	7,894	12,525	14,382	11,913	12,690
Total Combat.....	1,134	1,205	1,941	1,949	2,022	2,491	4,744	5,771	5,016	4,882
Bombers.....	127	312	550	649	520	468	1,166	1,187	1,552	1,263
Jet:										
Heavy.....	0	0	0	0	0	2	2	0	5	34
Medium.....	0	0	3	1	1	56	302	388	407	325
Light.....	0	0	20	51	35	0	0	8	54	159
Attack.....	0	0	0	0	0	0	0	2	18	21
Turboprop:										
Attack.....	0	0	0	0	0	0	0	4	1	0
Reciprocating:										
Heavy.....	0	1	39	43	17	52	50	37	23	0
Medium.....	62	3	74	153	127	0	0	0	0	0
Medium Patrol...	29	58	103	51	75	55	105	316	215	99
Light.....	1	0	0	0	0	0	0	0	0	0
Attack.....	35	250	311	350	265	303	707	432	829	625
Fighters.....	1,007	893	1,391	1,300	1,502	2,023	3,578	4,584	3,464	3,619
Jet.....	297	356	692	1,152	1,395	1,950	3,499	4,569	3,464	3,619
Reciprocating.....	710	537	699	148	107	73	79	15	0	0
Total Noncombat.....	35,264	16,512	7,853	4,160	4,272	5,403	7,781	8,611	6,897	7,808
Transports.....	517	351	316	223	299	466	950	1,073	867	683
Turboprop:										
Heavy.....	.....	.....	.....	.....	.....	.....	.....	.....	9	3
Medium.....	.....	.....	.....	.....	.....	.....	.....	.....	1	12
Light.....	.....	.....	.....	.....	.....	.....	.....	.....	2	0
Reciprocating:										
Heavy.....	10	15	4	13	62	126	273	391	356	212
Medium.....	64	148	72	67	62	54	84	126	137	117
Light.....	156	113	168	100	144	165	348	478	305	253
Small.....	287	75	72	43	31	121	245	78	57	86
Trainers.....	0	0	20	87	351	612	1,425	1,726	1,503	1,332
Jet.....	0	0	20	86	137	258	984	1,265	1,026	790
Reciprocating.....	0	0	0	1	214	354	441	461	477	542
Reconnaissance.....	131	73	91	1	40	83	162	110	356	632
Jet.....	103	49	0	0	39	49	101	77	298	591
Reciprocating.....	28	24	91	1	1	34	61	33	58	41
Search and Rescue....	7	23	7	19	42	65	107	137	33	22
Communications/Util- ity.....	34,562	15,927	7,202	3,693	3,410	3,800	4,086	4,512	3,580	4,533
Helicopters.....	47	138	217	137	130	377	1,051	1,053	558	606
Jet.....	0	0	0	0	0	0	0	0	0	0
Reciprocating.....	47	138	217	137	130	377	1,051	1,053	558	606

SECRET

123

## TRANSPORTATION EQUIPMENT

SECRET

Table 154

## PRODUCTION OF AIRCRAFT BY TYPES IN THE NATO COUNTRIES

1954-55			Number of Aircraft		
Type	1954	1955	Type	1954	1955
Grand Total.....	3,710	3,330	Grand Total (Continued)		
Total Combat.....	1,754	1,990	Total Non-combat (Continued)		
Bombers.....	246	242	Transports (Continued)		
Jet			Reciprocating (Continued)		
Medium			Small		
UK.....	5	41	UK.....	84	84
Light			Italy.....	3	3
UK.....	155	81	Trainers.....	1,269	606
France.....	1	2	Jet		
Turboprop			UK.....	288	217
Attack			Canada.....	319	62
UK.....	85	115	France.....	10	10
France.....	0	2	Italy.....	13	0
Reciprocating			Netherlands.....	0	15
Attack			Turboprop		
France.....	0	1	UK.....	0	23
Fighters.....	1,508	1,748	Reciprocating		
Jet			UK.....	303	163
UK.....	805	1,006	Belgium.....	3	6
Belgium.....	13	10	Canada.....	110	51
Canada.....	444	448	France.....	100	28
France.....	172	269	Italy.....	75	20
Italy.....	16	0	Netherlands.....	47	2
Netherlands.....	33	15	Portugal.....	1	9
Reciprocating			Reconnaissance.....	62	29
UK.....	25	0	Jet		
Total Non-combat.....	1,956	1,340	UK.....	45	29
Transports.....	194	177	Reciprocating		
Jet			UK.....	14	0
Light			France.....	3	0
UK.....	2	0	Search and Rescue.....	1	12
Turboprop			Reciprocating	1	12
Medium			Italy.....	1	12
UK.....	1	2	Communications/Utility.....	331	311
Light			UK.....	52	117
UK.....	18	41	Canada.....	201	117
Netherlands.....	0	1	France.....	78	77
Reciprocating			Helicopters.....	99	205
Light			Jet		
UK.....	21	15	France.....	4	42
France.....	55	31	Reciprocating		
Netherlands.....	6	0	UK.....	75	83
Medium			France.....	10	12
France.....	4	0	Italy.....	10	68

SECRET

SECRET

TRANSPORTATION EQUIPMENT

Table 155  
PRODUCTION OF AIRCRAFT BY TYPE IN THE USSR

Type	1946-55							Number of Aircraft		
	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Grand Total.....	10,527	8,986	9,350	7,783	7,585	10,073	9,425	9,196	8,088	8,640
Total Combat.....	5,861	3,719	4,381	3,362	4,611	6,370	5,954	5,845	4,684	5,043
Bombers.....	1,808	1,415	1,673	1,276	727	1,533	1,660	1,119	1,249	1,243
Jet										
Heavy.....	0	0	0	0	0	0	0	0	15	35
Medium.....	0	0	0	0	0	0	0	9	115	381
Light.....	0	0	0	11	301	958	1,092	989	1,119	827
Reciprocating										
Medium.....	0	13	142	304	391	408	406	121	0	0
Light.....	968	736	1,048	697	35	167	162	0	0	0
Attack.....	840	666	483	264	0	0	0	0	0	0
Fighters.....	4,053	2,304	2,708	2,086	3,884	4,837	4,294	4,726	3,435	3,800
Jet.....	17	620	771	1,369	3,674	4,835	4,294	4,726	3,435	3,800
Reciprocating.....	4,036	1,684	1,937	717	210	2	0	0	0	0
Total Noncombat.....	4,666	5,267	4,969	4,421	2,974	3,703	3,471	3,351	3,404	3,597
Transports.....	474	819	809	603	392	534	540	370	344	537
Reciprocating										
Light.....	294	639	687	603	311	288	288	118	92	285
Small.....	180	180	122	0	81	246	252	252	252	252
Trainers.....	3,952	4,206	3,635	2,563	1,320	1,790	1,478	1,464	1,464	1,464
Jet.....	0	11	303	324	2	184	395	396	396	396
Reciprocating.....	3,952	4,195	3,332	2,239	1,318	1,606	1,083	1,068	1,068	1,068
Communications/Utility....	0	0	110	431	444	444	444	444	444	444
Helicopters.....	0	2	120	146	2	119	193	257	336	336
Military Gliders.....	0	0	55	438	576	576	576	576	576	576
All Others.....	240	240	240	240	240	240	240	240	240	240

Table 156  
PRODUCTION OF AIRCRAFT BY TYPE IN THE EUROPEAN SATELLITES

Type	1946-55							Number of Aircraft		
	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Grand Total.....	94	466	678	528	443	480	361	1,234	1,657	1,759
Total Combat.....	2	65	202	180	50	0	72	869	997	659
Bombers.....	0	0	0	0	0	0	48	395	300	0
Reciprocating										
Czechoslovakia.....	0	0	0	0	0	0	48	395	300	0
Fighters.....	2	65	202	180	50	0	24	474	697	659
Jet										
Czechoslovakia.....	2	3	2	0	0	0	21	432	484	324
Poland.....	0	0	0	0	0	0	3	42	213	335
Reciprocating.....	0	62	200	180	50	0	0	0	0	0
Total Noncombat.....	92	401	476	348	393	480	289	365	660	1,100
Trainers.....	40	162	211	69	130	318	152	193	486	932
Reciprocating										
Bulgaria.....	0	0	0	1	30	102	78	86	60	60
Czechoslovakia.....	40	160	207	64	90	70	50	107	224	368
Poland.....	0	2	4	4	10	120	0	0	60	60
Rumania.....	0	0	0	0	0	26	24	0	24	24
Jet										
Czechoslovakia.....	0	0	0	0	0	0	0	0	118	420
Communications/Utility.....	52	239	265	279	263	162	137	172	174	168
Czechoslovakia.....	51	235	261	275	255	150	121	148	150	144
Hungary.....	0	0	0	3	8	12	12	12	12	12
Poland.....	1	4	4	1	0	0	0	0	0	0
Rumania.....	0	0	0	0	0	0	4	12	12	12

SECRET

125

## TRANSPORTATION EQUIPMENT

SECRET

Table 157

PRODUCTION OF AIRCRAFT BY TYPE AND  
COUNTRY IN THE FREE WORLD <sup>a</sup>

1954-55

Type	Number of Aircraft	
	1954	1955
Grand Total.....	646	587
Total Combat.....	311	331
Bombers.....	13	19
Jet		
Light		
Australia.....	12	12
Attack		
Sweden.....	0	7
Reciprocating		
Spain.....	1	.....
Fighters.....	298	312
Jet		
Australia.....	5	24
India.....	34	48
Sweden.....	196	162
Switzerland.....	57	61
Yugoslavia.....	1	2
Reciprocating		
Spain.....	1	1
Yugoslavia.....	4	14
Total Non-combat.....	335	256
Transport.....	12	12
Reciprocating		
Small		
Spain.....	12	12
Trainers.....	241	186
Jet		
Australia.....	11	10
Switzerland.....	0	6
Reciprocating		
Australia.....	0	13
Brazil.....	1	0
Egypt.....	22	11
Finland.....	11	0
India.....	48	60
Japan.....	41	38
Spain.....	86	10
Yugoslavia.....	21	38
Reconnaissance.....	16	25
Jet		
Sweden.....	15	25
Reciprocating		
Yugoslavia.....	1	.....
Communications/Utility.....	57	21
Japan.....	11	1
Spain.....	46	20
Helicopters.....	9	12
Reciprocating		
Japan.....	9	12

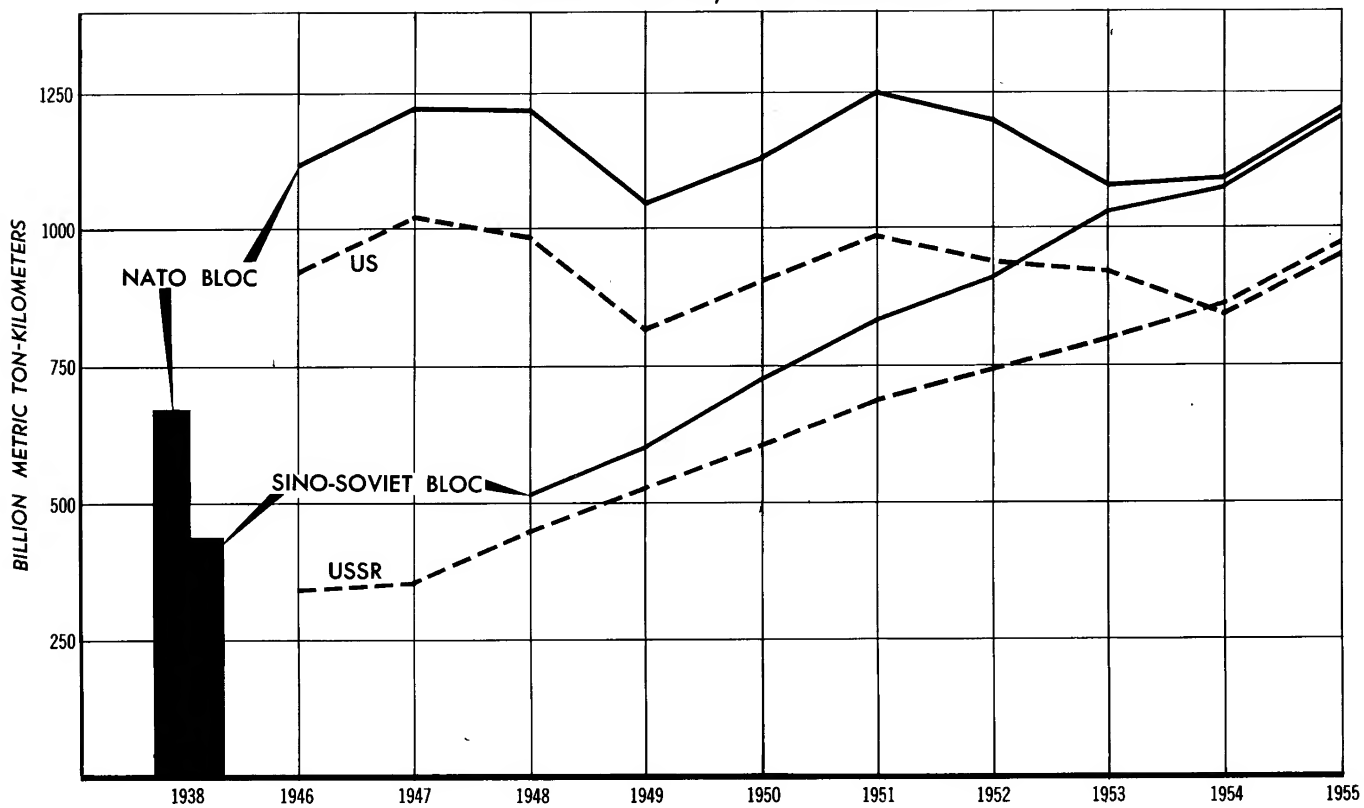
<sup>a</sup> Except the NATO countries.

SECRET

**SECRET**

Figure 20

**COMPARISON OF RAILWAY FREIGHT TRAFFIC  
IN SELECTED AREAS, 1938 AND 1946-55**



25707 2-57

**SECRET**



Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 158  
RAIL FREIGHT TRAFFIC  
1938 and 1946-55

Billion Metric Ton-Kilometers

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	672	1,120	1,230	1,220	1,050	1,130	1,250	1,200	1,080	1,090	1,220
US.....	463	924	1,020	990	816	905	990	940	922	844	953
Sino-Soviet Bloc.....	435	.....	.....	514	602	724	823	901	985	1,070	1,200
USSR.....	370	338	353	450	525	602	677	740	795	857	971
European Satellites.....	64.7	.....	.....	61.6	73.1	82.3	94.6	101	112	119	128
Albania.....	0	.....	0.002	0.004	0.006	0.008	0.011	0.014	0.016	0.018	0.020
Bulgaria.....	1.08	.....	.....	1.96	2.43	2.75	3.07	3.40	3.98	4.16	4.54
Czechoslovakia.....	11.2	.....	.....	12.7	15.2	17.4	20.0	21.5	23.4	24.6	27.1
East Germany.....	22.1	.....	.....	10.8	13.9	16.7	18.9	19.4	22.1	23.1	24.3
Hungary.....	3.00	.....	.....	3.75	4.51	5.11	5.95	7.28	8.15	8.09	8.50
Poland.....	22.4	.....	.....	28.3	32.7	35.1	38.4	40.3	44.5	48.1	51.7
Rumania.....	4.95	.....	.....	4.10	4.36	5.20	8.30	8.67	9.90	10.6	11.4
China.....	.....	.....	.....	.....	.....	39.4	51.5	60.2	78.1	93.2	97.8
North Korea.....	.....	0.652	1.49	2.43	3.46	.....	.....	.....	.....	2.79	3.19
North Vietnam.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	<sup>b</sup> 0.123

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	5.64	6.56	Italy.....	12.9	14.6	Portugal.....	0.685	0.724
Canada.....	84.8	96.1	Luxembourg.....	0.505	<sup>c</sup> 0.554	Turkey.....	3.80	4.07
Denmark.....	1.16	1.14	Netherlands.....	3.37	3.43	UK.....	36.1	34.9
France.....	41.5	46.9	Norway.....	1.40	1.48	West Germany.....	52.1	58.1
Greece.....	0.388	<sup>d</sup> 0.175						

## OTHER MAJOR COUNTRIES

Finland.....	3.84	4.20	Japan.....	39.3	42.0	Sweden.....	8.62	9.60
India.....	50.0	.....	Spain.....	7.69	7.63	Yugoslavia.....	9.58	11.6

<sup>a</sup> Excludes Iceland and the Saar.<sup>b</sup> Plan.<sup>c</sup> Eleven month figure.<sup>d</sup> Seven month figure.

SECRET

SECRET

TRANSPORTATION

128

TRANSPORTATION

Table 159  
HIGHWAY FREIGHT TRAFFIC

	1938 and 1946-55								Million Metric Ton-Kilometers		
. Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
US.....	<sup>a</sup> 77,000	120,000	149,000	166,000	182,000	248,000	266,000	269,000	317,000	313,000	357,000
Sino-Soviet Bloc.....	9,990	.....	.....	17,000	21,400	25,100	28,200	34,200	39,400	46,800	53,100
USSR.....	8,770	7,600	11,100	13,600	17,400	20,100	22,500	27,000	32,000	37,500	42,500
European Satellites.....	1,220	.....	.....	3,400	4,000	4,600	5,240	6,490	6,220	7,350	8,280
Albania.....	9	.....	5	10	24	37	51	65	78	92	105
Bulgaria.....	<sup>a</sup> 48	.....	.....	67	71.6	79.2	83.2	97.1	135	135	167
Czechoslovakia.....	<sup>b</sup> 250	.....	.....	324	393	457	521	585	649	754	837
East Germany.....	800	.....	.....	1,400	1,700	1,930	2,190	2,400	2,560	2,950	3,100
Hungary.....	78	.....	.....	171	174	200	330	455	545	585	620
Poland.....	14	.....	.....	1,400	1,600	1,850	2,010	2,820	2,180	2,750	3,360
Rumania.....	20	.....	.....	29	39	49	58	68	77	86	95
China.....	.....	.....	.....	.....	.....	373	503	678	1,180	1,870	2,240
North Korea.....	.....	9	21	29	36	41	.....	.....	31	63	67

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
France.....	<sup>c</sup> 16,100	.....	Netherlands.....	1,360	.....	West Germany.....	<sup>c</sup> 21,000	.....
Italy.....	27,500	29,500	UK.....	<sup>c</sup> 30,000	.....			

<sup>a</sup> 1939.<sup>b</sup> 1937.<sup>c</sup> 1952.

SECRET

SECRET

Table 160  
INLAND WATER TRANSPORTATION

1938 and 1946-55											Million Metric Ton-Kilometers
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....									293,000	305,000	.....
US.....				236,000	203,000	238,000	266,000	246,000	246,000	254,000	292,000
Sino-Soviet Bloc.....				38,000	45,600	53,000	60,500	68,400	73,200	79,900	88,400
USSR.....				34,100	41,200	45,900	51,000	57,000	58,900	62,400	67,400
European Satellites.....	9,590			3,860	4,320	5,380	6,770	7,690	8,580	9,480	10,500
Albania.....	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
Bulgaria.....	100			778	800	813	900	1,000	1,240	1,680	1,930
Czechoslovakia.....	1,640			629	625	906	1,600	1,900	2,010	2,010	2,120
East Germany.....	4,500			1,060	1,130	1,490	1,700	1,610	1,640	1,640	1,940
Hungary.....	499			379	424	609	769	883	878	867	935
Poland.....	456			218	338	283	309	492	802	1,040	1,190
Rumania.....	2,400			800	1,000	1,280	1,500	1,800	2,000	2,240	2,400
China.....						1,680	2,660	3,640	5,630	7,890	10,400
North Korea <sup>b</sup> .....		24	26	25	48	44	47	49	77	81	85
NATO COUNTRIES											
	1953	1954				1953	1954			1953	1954
Belgium.....	3,930	4,120		Netherlands.....		12,500	13,300		West Germany.....	23,000	25,000
France.....	7,840	8,270		UK.....		345	327				

<sup>a</sup> The countries included are Belgium, France, the Netherlands, the UK, the US, and West Germany.

<sup>b</sup> Includes inland water and coastal traffic.

SECRET

SECRET

TRANSPORTATION

## TRANSPORTATION

## SECRET

Table 161

## OCEAN TRANSPORTATION

	1938 and 1948-55					Million Metric Ton-Kilometers				
Country	1938	1948	1949	1950	1951	1952	1953	1954	1955	
Sino-Soviet Bloc.....		39,800	44,700	52,500	63,700	71,700	75,400	84,300	102,000	
USSR.....		34,500	37,300	39,700	40,400	44,000	48,000	56,600	68,900	
European Satellites.....	6,800	5,340	7,380	12,000	20,500	22,700	22,800	19,700	24,400	
Albania.....	20	20	20	20	20	30	30	30	40	
Bulgaria.....	738	210	210	516	542	569	597	655	688	
Czechoslovakia.....						321	337	909	954	
East Germany.....						50	53	340	460	
Hungary.....	1,110	51	54	57	110	116	122	128	134	
Poland.....	2,600	4,720	6,710	10,900	19,200	21,000	20,900	16,800	21,100	
Rumania.....	2,340	336	393	460	538	629	736	861	1,010	
China.....				822	2,910	5,000	4,650	8,040	8,360	

Table 162

## INVENTORY OF AUTOMOBILES

Country	1938, and 1950-55						Thousand
	1938	1950	1951	1952	1953	1954	1955
USSR.....	* 92.8	116	156	206	254	302	351
NATO.....					56,500		
Belgium.....					368		
Canada.....					2,510		
Denmark.....					157	193	
France.....					2,020	2,680	
Greece.....					11		
Italy.....					613	744	
Luxembourg.....					15	18	
Netherlands.....					188	219	
Norway.....					90	108	
Portugal.....					80		
Turkey.....					24		
UK.....					2,790	3,130	
US.....					46,500	48,500	
West Germany.....					1,130	1,390	

\* 1940 figures.

Table 163  
INVENTORY OF LOCOMOTIVES

Country	1938 and 1946-55										Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....									98,500	90,700	.....
US <sup>b</sup> .....		42,800	41,700	41,800	40,700	40,500	40,000	37,400	35,000	32,900	31,500
Sino-Soviet Bloc.....						52,800	54,000	58,200	59,200	57,600	58,700
USSR.....	24,400	25,600	26,200	27,200	28,500	30,500	32,000	33,500	34,800	36,000	37,300
European Satellites <sup>c</sup> .....						22,300	22,000	21,700	21,500	21,600	21,500
Bulgaria.....	480			570	570	580	590	590	600	610	610
Czechoslovakia.....	<sup>d</sup> 4,220			4,250	4,270	4,290	4,310	4,330	4,350	4,370	4,390
East Germany.....						6,830	6,670	6,440	6,330	6,500	6,500
Hungary.....	1,850										
Poland.....	5,300			6,120	5,870	5,830	5,680	5,600	5,600	5,600	5,600
Rumania.....	3,400			3,100	2,900	2,800	2,700	2,700	2,600	2,500	2,400
China.....								3,000	3,000		

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	2,420	2,390	Italy.....	7,020	7,010	Portugal.....	542	.....
Canada.....	<sup>e</sup> 4,810	.....	Luxembourg.....	165	157	Turkey.....	899	929
Denmark.....	<sup>f</sup> 856	1,200	Netherlands.....	1,240	1,230	UK.....	21,100	21,000
France.....	12,000	11,800	Norway.....	710	699	West Germany.....	11,400	11,300
Greece.....	347	.....						

## OTHER MAJOR COUNTRIES

Spain.....	3,710	.....	Yugoslavia.....	2,380	2,370
------------	-------	-------	-----------------	-------	-------

<sup>a</sup> Excludes Iceland and the Saar. Data includes steam, diesel, electric, and railcars.

<sup>b</sup> Class I railways only.

<sup>c</sup> Includes estimated Hungarian and Albanian inventory of 2,000 units.

<sup>d</sup> 1937 figure.

<sup>e</sup> 1952 figure.

<sup>f</sup> State-owned only.

SECRET

SECRET

TRANSPORTATION

TRANSPORTATION

SECRET

Table 164  
INVENTORY OF RAILWAY PASSENGER CARS

Country	1938 and 1946-55								Thousand Units		
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
USSR.....	32.8	32.6	32.8	33.6	35.0	37.2	39.5	41.9	44.4	46.8	49.2
US <sup>a</sup> .....	....	38.4	38.8	39.1	38.6	38.2	37.2	35.8	35.1	33.9	33.7
NATO <sup>b</sup> .....	....	....	....	....	....	....	....	....	147	....	....
Belgium.....	....	....	....	....	....	....	....	....	4.30	4.66	....
Canada.....	....	....	....	....	....	....	....	....	<sup>c</sup> 6.33	....	....
Denmark.....	....	....	....	....	....	....	....	....	<sup>d</sup> 1.82	2.46	....
France.....	....	....	....	....	....	....	....	....	17.1	17.0	....
Greece.....	....	....	....	....	....	....	....	....	0.27	....	....
Italy.....	....	....	....	....	....	....	....	....	10.8	11.0	....
Luxembourg.....	....	....	....	....	....	....	....	....	0.28	0.28	....
Netherlands.....	....	....	....	....	....	....	....	....	1.58	1.57	....
Norway.....	....	....	....	....	....	....	....	....	1.19	1.18	....
Portugal.....	....	....	....	....	....	....	....	....	1.05	....	....
Turkey.....	....	....	....	....	....	....	....	....	1.20	1.18	....
UK.....	....	....	....	....	....	....	....	....	41.8	41.9	....

<sup>a</sup> Class I railways only; excludes approximately 5,000 cars operated by Pullman Company.

<sup>b</sup> Data includes rail motor vehicles.

<sup>c</sup> 1952 figure.

<sup>d</sup> State owned only.

Table 165  
INVENTORY OF RAILWAY FREIGHT CARS  
1938 and 1946-55

	1938 and 1946-55									Thouſand Units	
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....									4,040		
US <sup>b</sup> .....	1,720	1,740	1,730	1,760	1,750	1,720	1,750	1,760	1,780	1,740	1,700
Sino-Soviet Bloc.....							1,710	1,910	1,960	2,130	2,260
USSR <sup>c</sup> .....	781	809	849	909	995	1,100	1,190	1,280	1,370	1,460	1,550
European Satellites <sup>d</sup> .....							524	566	590	598	615
Albania.....	0	0	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
Bulgaria.....	9.0			11.0	11.9	12.8	13.8	14.7	15.6	16.5	17.4
Czechoslovakia.....	* 96.5			84.6	92.3	99.2	109	112	117	118	126
East Germany.....						106	102	125	140	142	146
Hungary.....	42.6										
Poland.....	153			156	176	186	194	209	212	216	220
Rumania.....	63			52	53	54	55	55	56	56	56
China <sup>e</sup> .....	46.8	67.8						65.3		73.1	78.5
North Korea.....											12.7
North Vietnam.....											1.1

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	84.1	78.2	Italy.....	128	133	Portugal.....	10.1	
Canada.....	* 187		Luxembourg.....	4.44	4.00	Turkey.....	15.4	17.2
Denmark.....	14.6	14.4	Netherlands.....	24.3	24.7	UK.....	1,110	1,110
France.....	386	384	Norway.....	12.6	12.7	West Germany.....	285	281
Greece.....	5.66							

## OTHER MAJOR COUNTRIES

Austria.....	32.5	33.5	Spain.....	81.7		Yugoslavia.....	66.3	66.7
Finland.....	26.7	25.7	Sweden.....	51.6	52.3			

<sup>a</sup> Excludes Iceland and the Saar. Total includes 1952 figure for Canada instead of 1953.

<sup>b</sup> Four-axle units. The US figure excludes approximately 300,000 cars operated by class II and III lines and private owners.

<sup>c</sup> Equivalent two-axle units.

<sup>d</sup> Includes estimated Hungarian inventory of 50,000 cars.

<sup>e</sup> 1937 figure.

<sup>f</sup> Four-axle units.

\* 1952 figure.

SECRET

SECRET

TRANSPORTATION



134

TRANSPORTATION

Table 166  
INVENTORY OF MERCHANT FLEET  
Selected Years, 1939-56

Country	1939		1945		1946		1950		1953		1954		1955		1956 *	
	Num- ber	Thou- sand GRT	Num- ber	Thou- sand GRT	Num- ber	Thou- sand GRT	Num- ber	Thou- sand GRT	Num- ber	Thou- sand GRT	Num- ber	Thou- sand GRT	Num- ber	Thou- sand GRT	Num- ber	Thou- sand GRT
USSR <sup>b</sup> .....	..	..	..	..	..	..	..	..	..	..	..	2,100	..	..	802	2,730
China.....	..	..	..	..	..	..	79	175	111	278	..	..	120	° 295	..	..
Bulgaria.....	..	..	..	..	..	..	..	..	..	..	..	..	5	12.5	6	19.9
Czechoslovakia.....	..	..	..	..	..	..	..	..	..	..	..	..	3	17.2	3	17.3
East Germany.....	..	..	..	..	..	..	..	..	..	..	..	..	3	6.5	3	7.6
Hungary.....	..	22.0	..	..	..	..	..	..	..	..	..	..	2	2.1	3	3.3
Poland.....	31	114	31	104	..	..	42	149	..	..	74	286	..	..	81	321
Rumania.....	25	102	..	..	2	13.3	..	..	8	32.4	..	..	8	32.4	9	34.2

\* Mid-1956.

<sup>b</sup> Albania was the only European Satellite having no merchant vessels in 1955.

° Mid-1955.

SECRET

SECRET

SECRET

TRANSPORTATION

Table 167  
INVENTORY OF RIVER FLEET, USSR  
1946-55

Year	Self-Propelled		Non-Self-Propelled	
	Number	Thousand Horse-power	Number	Cargo Carrying Capacity, Million MT
1946.....	1,700	355	2,500	3.26
1947.....	2,100	428	5,400	3.93
1948.....	2,700	555	7,000	5.10
1949.....	3,300	673	8,500	6.20
1950.....	3,800	774	9,700	7.10
1951.....	4,200	874	11,000	8.03
1952.....	4,800	979	12,300	9.0
1953.....	5,300	1,080	13,600	10.0
1954.....	5,700	1,170	14,700	10.8
1955.....	6,200	1,270	16,000	12.0

Table 169  
INVENTORY OF BARGES  
1951, 1954, 1955

Country	1951		1954		1955	
	Num-ber	Metric Tons	Num-ber	Metric Tons	Num-ber	Metric Tons
Bulgaria.....	.....	.....	.....	.....	<sup>a</sup> 84	56.3
Czechoslovakia.....	.....	.....	.....	.....	500	350
East Germany.....	.....	60	<sup>b</sup> 2,000	821	.....	.....
Hungary.....	.....	.....	.....	<sup>c</sup> 200	126	.....
Poland.....	.....	.....	1,500	900	.....	.....
Rumania.....	350	300	.....	.....	.....	.....

<sup>a</sup> Four self-propelled, and 80 non-self-propelled.

<sup>b</sup> Non-self-propelled only.

<sup>c</sup> Includes 190 non-self-propelled at 120,000 MT, and 10 self-propelled at 6,000 MT.

Table 168  
INVENTORY OF TUGS  
1954-55

Country	1954		1955	
	Num-ber	Horse-power	Num-ber	Horse-power
Bulgaria.....	.....	.....	80	.....
Czechoslovakia.....	.....	.....	73	.....
East Germany.....	475	73,800	..	.....
Hungary.....	.....	.....	30	.....
Poland.....	.....	.....	80	.....
Rumania.....	.....	.....	30	.....

Table 170  
INVENTORY OF MISCELLANEOUS VESSELS  
1954-55

Country	1954		1955	
	Num-ber	Metric tons	Num-ber	Metric tons
Bulgaria.....	.....	.....	<sup>a</sup> 12	.....
Czechoslovakia.....	.....	.....	55	.....
East Germany.....	300	46,000	.....	.....
Hungary.....	.....	.....	<sup>b</sup> 20	.....
Rumania.....	.....	.....	<sup>b</sup> 12	.....

<sup>a</sup> Two rail ferries, 10 passenger vessels.

<sup>b</sup> Passenger vessels.

SECRET

135

CONSTRUCTION

SECRET

Table 171

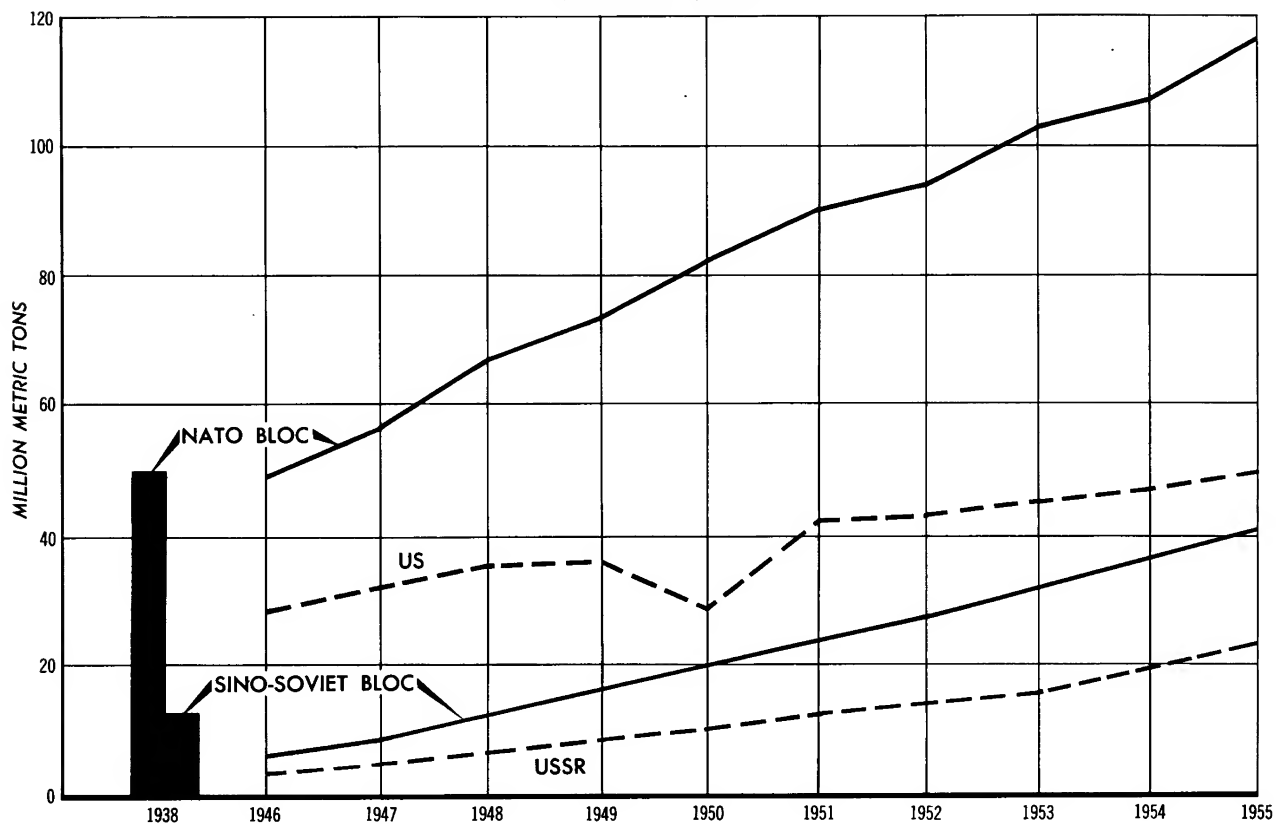
## NEW URBAN HOUSING CONSTRUCTION

Country	1948-55				Thousand Square Meters			
	1948	1949	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc.....	16,800	24,700	32,400	32,900	39,900	45,900	52,100	56,900
USSR.....	15,300	21,000	27,000	27,000	27,000	28,000	32,000	35,000
European Satellites...	1,500	3,750	5,410	5,860	6,370	5,900	7,120	7,900
Albania.....	18.0	30.0	46.0	55.0	58.0	65.0	137	271
Bulgaria.....	40.0	74.0	80.0	196	200	200	500	600
Czechoslovakia.....	578	1,020	1,330	1,120	1,360	1,190	1,290	1,650
East Germany.....	.....	525	1,160	2,000	2,100	1,600	1,800	1,600
Hungary.....	864	864	705	510	510	480	765	900
Poland.....	.....	928	1,720	1,580	1,820	2,030	2,240	2,170
Rumania.....	.....	305	370	400	320	335	390	740
China.....	.....	.....	.....	.....	6,500	12,000	13,000	14,000

**SECRET**

Figure 21

**COMPARISON OF TOTAL PRODUCTION OF CEMENT IN SELECTED AREAS  
1938 AND 1946-55**



25708 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Table 172  
PRODUCTION OF CEMENT  
1938 and 1946-55

Thousand Metric Tons

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	49,800	49,400	56,700	67,600	73,700	82,300	90,200	94,400	103,000	107,000	117,000
US.....	18,200	28,300	32,200	35,500	36,200	39,100	42,400	43,000	45,500	46,900	<sup>b</sup> 49,900
Sino-Soviet Bloc.....	12,500	6,180	8,310	12,300	16,600	20,400	24,000	27,200	32,100	36,100	41,100
USSR.....	6,688	3,373	4,718	6,455	8,147	10,194	12,070	13,910	15,961	18,992	22,484
European Satellites.....	6,520	2,770	3,550	5,770	7,180	8,350	9,200	10,200	11,800	12,000	13,800
Albania.....	14.0	.....	.....	9.60	14.5	15.0	17.2	18.2	21.0	24.6	46.6
Bulgaria.....	180	.....	.....	380	486	594	630	680	714	793	825
Czechoslovakia.....	1,270	920	1,400	1,660	1,760	1,990	2,110	2,290	2,400	2,640	2,990
East Germany.....	2,500	.....	.....	936	1,150	1,410	1,660	2,020	2,450	2,640	2,970
Hungary.....	323	133	200	316	552	797	948	1,060	1,060	947	1,180
Poland.....	1,719	1,400	1,520	1,820	2,344	2,514	2,695	2,652	3,294	3,435	3,810
Rumania.....	510	315	422	650	870	1,028	1,140	1,500	1,900	1,560	2,000
China.....	.....	.....	.....	.....	660	1,400	2,500	2,860	3,900	4,600	4,500
North Korea.....	.....	.....	.....	.....	500	350	Negl	Negl	25.0	225	350
North Vietnam.....	266	36.0	43.0	98.0	154	143	213	225	290	254	.....

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Belgium <sup>c</sup> .....	4,530	4,700	Italy.....	8,920	10,600	Saar.....	280	252
Canada.....	3,590	4,000	Luxembourg <sup>c</sup> .....	.....	285	Turkey.....	669	816
Denmark.....	1,210	1,130	Netherlands.....	974	1,100	UK.....	12,000	12,700
France.....	9,370	10,800	Norway.....	783	830	West Germany.....	15,900	18,800
Greece.....	700	.....	Portugal.....	787	781			

## OTHER MAJOR COUNTRIES

India.....	4,470	4,490	Spain.....	3,320	3,740	Yugoslavia.....	1,390	1,560
Japan.....	10,700	10,600	Sweden.....	2,470	2,540			
World Total <sup>d</sup> .....	170,000	184,000						

<sup>a</sup> Excludes Iceland. Figures cover, as far as possible, all hydraulic cements used in construction (Portland, metallurgic, aluminous, natural, and the like). The 1938 total includes the 1936 data for West Germany. The 1955 total excludes Greece.

<sup>b</sup> Provisional.

<sup>c</sup> Belgium-Luxembourg combined.

<sup>d</sup> Excludes USSR, and the China mainland.

SECRET

SECRET

CONSTRUCTION

138

CONSTRUCTION

Table 173  
PRODUCTION OF BRICKS

Country	1938 and 1946-55										Million Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
NATO <sup>a</sup> .....	17,600	10,900	15,000	17,800	19,700	22,400	23,000	23,700	25,100	26,900	27,600
US.....	3,530	4,870	5,030	5,840	5,520	6,330	6,630	5,890	5,870	6,160	7,150
Sino-Soviet Bloc.....	13,900	3,220	5,570	9,380	12,100	15,500	18,500	21,700	24,600	27,500	30,500
USSR.....	<sup>b</sup> 8,700	2,600	4,000	6,200	8,200	10,200	12,200	14,500	16,200	18,800	21,000
European Satellites.....	5,180	624	1,570	3,170	3,900	5,310	6,330	7,150	8,440	8,720	9,480
Albania.....	0.80	.....	.....	1.20	2.40	3.60	4.80	7.40	10.0	12.7	18.0
Bulgaria.....	<sup>c</sup> 52.0	.....	.....	130	233	335	438	540	567	618	655
Czechoslovakia.....	<sup>b</sup> 1,130	37.0	698	924	889	1,020	1,110	1,280	1,440	1,560	1,750
East Germany.....	<sup>b</sup> 1,100	.....	.....	647	850	1,360	1,680	1,760	1,920	1,910	1,960
Hungary.....	647	74	175	260	389	796	867	1,100	1,320	1,140	1,200
Poland.....	1,880	513	696	975	1,253	1,460	1,820	2,000	2,660	2,925	3,100
Rumania.....	372	.....	.....	232	286	340	415	469	525	558	801

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Belgium.....	2,210	2,230	Italy.....	2,010	<sup>a</sup> 2,650	Portugal.....	152	153
Canada <sup>d</sup> .....	426	460	Luxembourg.....	5	5	Saar.....	65	68
Denmark.....	642	647	Netherlands.....	1,340	1,430	UK.....	6,840	6,940
Greece.....	360	520	Norway.....	109	113	West Germany.....	5,080	5,570

## OTHER MAJOR COUNTRIES

Australia.....	660	794	Japan.....	220	346	Yugoslavia.....	664	751
Austria.....	470	698						

<sup>a</sup> Data refers to total production of clay bricks for building purposes, including common and facing bricks. Glazed, refractory, paving, concrete, shale and sand-lime bricks are excluded. Excludes France, Iceland, the Saar, and Turkey. The 1955 figure, however, does not include production in Denmark, Norway, Luxembourg, Portugal, and Greece. The 1938 figure includes all prewar Germany.

<sup>b</sup> 1937.

<sup>c</sup> 1939.

<sup>d</sup> Producer sales.

<sup>e</sup> Bricks and tiles.

SECRET

SECRET

SECRET

COMMUNICATIONS

Table 174

## NUMBER OF COASTAL RADIO STATIONS

Country	1938 and 1946-56											Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO.....										1,080	1,180	....
US.....		265	317	425	490	<sup>a</sup> 470	460	468	564	611	<sup>b</sup> 677	<sup>b</sup> 743
Sino-Soviet Bloc.....	252											
USSR.....	<sup>c</sup> 199		348									
European Satellites.....	36											
Bulgaria.....						5						
East Germany.....	34						15	12	12	12	14	14
Poland.....	1		1	1	2	2	3					
Rumania.....	1		1	1	2	3	3					
China.....	17		27	23	18	21	25	23	23	23	23	23
North Korea.....			7									
North Vietnam.....										1		

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	5	4	Iceland.....	11	12	Portugal.....	70	77
Canada.....	34	51	Italy.....	21	30	Turkey.....	14	14
Denmark.....	55	55	Netherlands.....	10	..	UK.....	156	168
France.....	46	46	Norway.....	27	27	West Germany.....	17	17
Greece.....	2	2						

<sup>a</sup> Includes marine relay stations which are in fact coastal stations.<sup>b</sup> Extrapolated on basis of growth in 1954 and 1955.      <sup>c</sup> 1936.

Table 175

## NUMBER OF FIXED AERONAUTICAL RADIO STATIONS

Country	1938 and 1946-55											Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	
NATO <sup>a</sup> .....									1,760	1,860	2,580	
US.....	150	<sup>b</sup> 1,440	<sup>b</sup> 2,760	<sup>b</sup> 3,500	<sup>c</sup> 1,410	1,310	1,180	1,340	1,390	<sup>d</sup> 2,080		
USSR.....	<sup>c</sup> 224		300									
Bulgaria.....	2			3	10	16						
Czechoslovakia.....	8			11	14	16						
East Germany.....	32				40							
Hungary.....	4					7						
Poland.....	7											
Rumania.....	7			10								
China.....								40				
North Korea.....				4						10		
North Vietnam.....										2		

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	9	9	Iceland.....	18	19	Portugal.....	22	22
Canada.....	46	71	Italy.....	187	192	Turkey.....	4	4
Denmark.....	13	13	Luxembourg.....	1	1	UK.....	52	51
France.....	42	41	Netherlands.....	17	17	West Germany.....	18	12
Greece.....	19	18	Norway.....	25	25			

<sup>a</sup> All NATO countries are included.<sup>b</sup> Aeronautical, land, and fixed radio stations combined.<sup>c</sup> Beginning 1950, Civil Air Patrol radio stations excluded.<sup>d</sup> Includes specialized categories previously excluded.      <sup>e</sup> 1936.

SECRET

139



## COMMUNICATIONS

## SECRET

Table 176

## NUMBER OF FIXED RADIO STATIONS (POINT-TO-POINT)

*delete*

Country	1938 and 1946-56											Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....									2,190	2,370	2,480	....
US.....		424	476	495	564	608	<sup>b</sup> 517	<sup>b</sup> 568	<sup>b</sup> 516	<sup>b</sup> 562	<sup>c</sup> 562	....
Sino-Soviet Bloc.....	1,240		1,440	1,540	1,670	1,780	1,920					....
USSR.....	1,160		1,360	1,430	1,500	1,500	1,500					....
European Satellites..	39		35	49	83	81	100					....
Albania.....	2		1	4	7	11	14					....
Bulgaria.....	1		1	4	7	11	16					....
Czechoslovakia.....	5		12	12	12	12	12					....
East Germany.....	6		5	8	11	14	17	11	11	11	15	15
Hungary.....	2		1		19							....
Poland.....	16		3	4	5	6	6					....
Rumania.....	7		12	17	22	27	35					....
China.....	44		50	64	87	200	330	360	400	440	480	530
North Korea.....						9				2	8	....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	20	13	Iceland.....	44	46	Portugal.....	250	242
Canada.....	105	160	Italy.....	182	178	Turkey.....		65
Denmark.....	44	59	Luxembourg.....	1	1	UK.....	6	6
France.....	843	878	Netherlands.....	34		West Germany.....	77	55
Greece.....	69	96	Norway.....	129	126			

<sup>a</sup> Excludes the Saar.<sup>b</sup> Includes stations in Alaska only.<sup>c</sup> Because classification of data was changed in 1955, the 1954 figure is used instead of that for 1955 for the sake of comparison in the NATO total.

Table 177

## NUMBER OF WIRE RADIO DIFFUSION CENTERS

Country	1938 and 1946-56											Thousands
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc <sup>a</sup> .....				18.6	20.5	22.4	27.2	34.1	38.5	45.5	52.0	63.6
USSR.....	10.5	13.0	14.4	15.1	15.7	16.7	17.7	20.3	22.8	27.5	30.0	37.0
European Satellites..	0			3.54	4.72	5.70	7.33	8.97	10.5	12.3	15.8	19.9
Albania.....	0	0	0	0	0	0		0.054	0.059	0.065	0.070	0.075
Bulgaria.....	0			0.04	0.10	0.20	0.63	0.89	1.00	1.10	1.37	1.64
Hungary.....	0	0	0	0		0.009	0.13	0.29	0.63	0.67	1.20	1.70
Poland.....	0			3.50	4.60	5.40	6.40	7.40	8.40	9.98	12.4	15.5
Rumania.....	0	0	0	0	0.025	0.08	0.17	0.34	0.40	0.49	0.76	0.90
China.....							2.16	4.75	5.22	5.74	6.20	6.70

<sup>a</sup> No wire radio diffusion center existed in Czechoslovakia before 1953, East Germany in 1938, North Korea before 1943, and there are none in North Vietnam. Since the dates given, information is not available.

Table 178  
NUMBER OF LOUDSPEAKERS (WIRED) IN USE  
1938 and 1946-56

												Thousands
Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc *				8,060	8,730	10,300	12,100	13,900	15,800	18,600	23,200	28,200
USSR	3,300	6,670	7,420	7,760	8,100	9,690	11,100	12,500	13,800	16,400	19,500	23,200
European Satellites				299	634	604	1,003	1,420	1,950	2,210	3,000	3,670
Albania								5.00	6.00	6.00	7.00	8.00
Bulgaria				9.00	17.0	27.0	68.0	120	180	230	304	378
Czechoslovakia											50.0	75.0
Hungary						2.00	45.0	100	220	240	420	600
Poland				290	610	550	840	1,100	1,300	1,400	1,700	2,000
Rumania					7.00	25.0	50.0	90.0	240	330	520	610
China											697	1,320

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium	117	....	UK	1,060	....	West Germany	87.0	....
Netherlands	492	....						

\* No wired loudspeakers in use in North Vietnam, in East Germany in 1938, or in North Korea before 1954. Information not available after the dates given for the latter two countries.

SECRET

SECRET

COMMUNICATIONS

## COMMUNICATIONS

SECRET

Table 179  
~~NUMBER OF RADIO TRANSMITTING STATIONS~~  
 1938 and 1946-56

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	Units 1956
NATO <sup>a</sup> .....	966	1,110	1,520	2,170	3,070	3,530	3,730	3,860	3,970	4,380	4,750	.....
US.....	734	967	1,170	1,980	2,630	2,880	2,980	3,040	3,100	3,400	3,660	3,920
Sino-Soviet Bloc.....	107	106	120	154	240	295	345	379	387	383	408	414
USSR.....	77	85	100	100	109	128	160	163	167	171	175	179
European Satel- lites.....	30	21	20	54	58	67	70	76	83	85	92	94
Albania.....	1	4	4	4	5	5	5	6	6	5	7	8
Bulgaria.....	4	5	5	5	5	6	6	6	6	6	7	7
Czechoslovakia.....	8	.....	.....	16	16	17	18	20	22	22	22	22
East Germany.....	.....	.....	.....	9	9	15	16	17	18	20	20	20
Hungary.....	7	.....	.....	7	8	8	8	8	8	8	8	9
Poland.....	8	12	11	11	12	12	12	13	16	16	17	17
Rumania.....	2	.....	.....	2	3	4	5	6	7	8	11	11
China <sup>b</sup> .....	.....	.....	.....	.....	73	89	115	140	131	120	132	132
North Korea.....	.....	.....	.....	.....	.....	11	.....	.....	6	7	9	9
North Vietnam.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	12	12	Iceland.....	4	4	Portugal <sup>d</sup> .....	43	44
Canada.....	327	396	Italy.....	130	151	Saar.....	5	8
Denmark.....	11	11	Luxembourg.....	4	4	Turkey.....	12	13
France <sup>c</sup> .....	75	72	Netherlands.....	8	8	UK.....	65	67
Greece.....	17	17	Norway.....	29	32	West Germany.....	232	244

<sup>a</sup> Excludes the Saar. Figures relate only to stations broadcasting to the public.<sup>b</sup> Figures relate to transmitters. There may be more than 1 transmitter per station.<sup>c</sup> Includes Algeria after 1948.<sup>d</sup> Includes Azores and Madeira beginning in 1948.

Table 180

## NUMBER OF TELEVISION TRANSMITTING STATIONS

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	Units 1956
NATO <sup>a</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	193	478	551	.....
US.....	0	6	7	17	50	97	107	108	129	356	439	522
Sino-Soviet Bloc <sup>b</sup> .....	.....	.....	.....	2	2	2	2	4	7	9	23	44
USSR.....	.....	.....	.....	2	2	2	2	3	3	5	11	25
European Satellites.....	.....	.....	.....	.....	.....	.....	.....	1	4	4	12	19
Bulgaria.....	.....	.....	.....	0	0	0	0	0	.....	.....	.....	1
Czechoslovakia.....	.....	.....	.....	0	0	0	0	0	1	1	2	3
East Germany.....	.....	.....	.....	0	0	0	0	0	1	1	7	11
Hungary.....	.....	.....	.....	0	0	0	0	0	1	1	1	1
Poland.....	.....	.....	.....	0	0	0	0	0	1	1	1	2
Rumania.....	.....	.....	.....	0	0	0	0	0	0	0	1	1

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	4	4	Italy.....	11	17	Saar.....	1	1
Canada.....	24	26	Luxembourg.....	1	1	Turkey.....	0	1
Denmark.....	1	2	Netherlands.....	2	2	UK.....	12	17
France.....	5	12	Norway.....	0	1	West Germany.....	61	28

<sup>a</sup> The countries included are Belgium, Canada, Denmark, France, Italy, Luxembourg, the Netherlands, Norway (1955 only), the Saar, Turkey (1955 only), the UK, the US, and West Germany.<sup>b</sup> No television transmitting stations in Albania, China, North Korea, and North Vietnam.

SECRET

*Annex 1*  
Table 181  
NUMBER OF RADIO BROADCAST RECEIVERS IN USE

1938 and 1946-56

Thousand

Country	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO *	72,200					128,000	148,000	155,000	171,000	180,000	197,000	
US	41,000	60,000	66,000	75,000	81,000	90,000	105,000	110,000	120,000	124,000	135,000	146,000
Sino-Soviet Bloc	3,330	3,420	4,040	7,440	8,130	9,880	11,000	11,700	13,000	16,600	19,500	24,900
USSR	691	1,320	1,440	1,550	1,660	1,770	2,040	2,160	2,720	4,730	6,150	9,815
European Satellites	2,640	2,100	2,610	5,900	6,470	7,010	7,810	8,270	8,940	10,500	12,000	13,700
Albania	3	10	12	15	18	20	19	19	20	21	22	23
Bulgaria	50	200	205	200	210	210	240	250	260	280	300	320
Czechoslovakia	1,000	1,510	1,890	2,100	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000
East Germany				2,200	2,400	2,600	3,000	3,200	3,400	4,100	5,000	6,000
Hungary	420			480	540	620	700	790	1,000	1,260	1,430	1,700
Poland	900	380	500	680	760	890	1,000	1,000	1,100	1,500	1,700	1,900
Rumania	270			220	240	270	350	410	460	560	640	720
China						1,000	1,200	1,250	1,300	1,350	1,400	1,450
North Korea						100						
North Vietnam										10		

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium	1,990	2,110	Iceland	45	53	Portugal	443	508
Canada	7,080	10,000	Italy	5,540	6,180	Saar	221	226
Denmark	1,320	1,320	Luxembourg	76	80	Turkey	935	1,120
France	8,580	9,040	Netherlands	2,490	2,640	UK	13,500	14,000
Greece	507	588	Norway	925	955	West Germany	12,100	12,800

\* All NATO countries are included. The 1938 total includes all Germany and excludes the Saar.

SECRET

SECRET

COMMUNICATIONS

144

COMMUNICATIONS

Table 182  
NUMBER OF TELEVISION RECEIVERS IN USE

Country	1938 and 1946-56											Thousand
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	..	..	....	....	....	....	....	....	30,400	36,400	43,000	.....
US.....	0	0	200	1,000	3,250	9,800	15,000	21,000	27,600	31,500	36,200	40,800
Sino-Soviet Bloc <sup>b</sup> .....	0	0	0	0	0	10	30	72.8	172	469	900	1,750
USSR.....	0	0	0	0	0	10	30	72	167	450	820	1,630
European Satellites.....	0	0	0	0	0	0	0	0.8	5.2	19.3	77.6	116
Bulgaria.....	0	0	0	0	0	0	0	0	0	0	0	0.30
Czechoslovakia.....	0	0	0	0	0	0	0	0	1.2	4.0	32	58
East Germany.....	0	0	0	0	0	0	0	0.8	4.0	15	45	55
Hungary.....	0	0	0	0	0	0	0	0	0	0.1	0.2	0.8
Poland.....	0	0	0	0	0	0	0	0	0	0.2	0.3	1.7
Rumania.....	0	0	0	0	0	0	0	0	0	0	0.1	0.1

## NATO COUNTRIES

1954 1955		1954 1955		1954 1955	
Belgium.....	15 60	Italy.....	80 270	Saar.....	0 0.8
Canada.....	1,100 1,410	Luxembourg.....	0 1	Turkey.....	0.2 0.2
Denmark.....	1.3 2.6	Netherlands.....	15 60	UK.....	3,410 4,620
France.....	125 225	Norway.....	0 0.3	West Germany.....	100 200

<sup>a</sup> Data refer to number of licenses issued or estimate number of receivers in use. The countries included are Belgium, Canada, Denmark, France, Italy, the Netherlands, Norway, Turkey, the UK, the US, and West Germany.

<sup>b</sup> No television receivers in use in Albania (1946 unknown), China, North Korea, and North Vietnam.

SECRET

SECRET

Table 183  
NUMBER OF TELEPHONE SUBSCRIBERS \*

Country	1938 and 1946-56											Thousand
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO.....	31,100	.....	44,100	53,200	56,800	60,300	64,100	67,800	71,200	75,200	79,100	.....
US.....	19,400	31,600	34,900	38,200	40,700	43,000	45,600	48,100	50,400	52,800	55,300	.....
Sino-Soviet Bloc.....	2,360	.....	.....	2,020	2,180	2,340	2,540	2,770	2,940	3,160	3,420	3,770
USSR.....	1,300	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,100
European Satellites.....	1,050	.....	.....	814	885	940	1,040	1,140	1,240	1,360	1,520	1,670
Albania.....	0.90	.....	.....	0.90	0.90	1.10	1.20	1.20	1.30	1.40	1.50	1.60
Bulgaria.....	29.0	.....	.....	56.0	57.0	59.0	61.0	63.0	64.0	64.0	66.0	68.0
Czechoslovakia.....	220	.....	.....	210	240	260	280	310	330	370	400	430
East Germany.....	270	.....	.....	180	200	200	220	230	250	260	280	300
Hungary.....	160	.....	.....	87.0	97.0	110	120	140	150	170	190	210
Poland.....	290	118	137	150	160	180	220	260	300	360	440	520
Rumania.....	80.0	125	129	130	130	130	140	140	140	140	140	140
China.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	460
North Korea.....	9.09	.....	.....	4.85	.....	.....	.....	14.8	.....	.....	.....	.....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	830	883	Iceland.....	26.0	27.0	Portugal.....	232	255
Canada.....	3,850	4,110	Italy.....	1,880	2,010	Saar.....	50.0	54.0
Denmark.....	862	901	Luxembourg.....	30.0	31.0	Turkey.....	132	150
France.....	2,950	3,120	Netherlands.....	1,020	1,120	UK.....	6,440	6,780
Greece.....	110	115	Norway.....	558	585	West Germany.....	3,440	3,630

\* For the Sino-Soviet Bloc the figures represent telephone subscribers and for the NATO countries the figures represent telephones in use. The number of subscribers is less than the number of telephones, but no reliable ratio between the two can be supplied.

SECRET

SECRET

COMMUNICATIONS

## COMMUNICATIONS

## SECRET

Table 184  
TELEPHONE CONVERSATIONS (LONG DISTANCE)

Country	1938 and 1946-56										Million Conversations	
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....									4,200	4,440	4,680	.....
US.....	877	2,020	2,030	2,040	2,050	2,080	2,080	2,130	2,180	2,270	2,360	2,440
Sino-Soviet Bloc.....	149			232	242	256	279	292	311	329	347	358
USSR.....	57.0	73.0	88.0	93.0	98.0	103	108	114	120	126	135	144
European Satel- lites.....	88.4			130	138	147	165	171	184	196	201	206
Albania.....	0.05			0.06	0.08	0.11	0.13	0.14	0.14	0.15	0.16	0.17
Bulgaria.....	3.00			10.0	10.0	11.0	12.0	12.0	12.0	12.0	12.0	12.0
Czechoslovakia..	19.0			46.0	48.0	48.0	49.0	49.0	50.0	51.0	51.0	51.0
East Germany..	24.0			14.0	16.0	16.0	17.0	17.0	18.0	18.0	18.0	18.0
Hungary.....	6.60			5.60	5.80	5.80	5.80	5.90	5.90	6.00	6.00	6.00
Poland.....	28.0	32.0	42.0	40.0	39.0	47.0	62.0	68.0	78.0	89.0	94.0	99.0
Rumania.....	7.70			19.0	19.0	19.0	19.0	19.0	20.0	20.0	20.0	20.0
China.....	4.00	5.62	6.10	6.18	6.25	6.38	6.50	6.75	7.00	7.25	7.35	7.62
North Korea <sup>b</sup> .....				2.85							3.22	.....

## NATO COUNTRIES

1954		1955		1954		1955		1954		1955	
Belgium.....	79.0		86.0	Iceland.....	1.50		1.60	Saar.....	14.0		15.0
Canada.....	138		144	Italy.....	157		174	Turkey.....	6.40		7.30
Denmark.....	167		161	Netherlands..	234		257	UK.....	309		339
France.....	490		521	Norway.....	43.0		46.0	West Germany...	490		529
Greece.....	5.20		5.90	Portugal.....	34.0		38.0				

<sup>a</sup> Excludes Luxembourg.

<sup>b</sup> Telephone calls.

SECRET

COMMUNICATIONS

Table 185  
DOMESTIC TELEGRAMS SENT OVER THE BASIC SYSTEM

Country	1938 and 1946-56											Million
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
NATO.....	345	....	....	....	333	334	339	302	299	281	264	....
US.....	191	213	211	190	174	175	181	152	154	144	135	125
Sino-Soviet Bloc <sup>a</sup> .....	139	128	148	200	214	232	244	261	278	294	312	317
USSR.....	<sup>b</sup> 119	108	118	130	142	164	166	178	190	201	203	205
European Satellites.....	14.6	5.80	7.20	42.8	44.5	47.3	44.2	46.0	48.0	49.7	51.0	52.6
Albania.....	0.30	....	....	0.60	0.88	1.20	1.10	1.50	1.50	1.50	1.50	1.50
Bulgaria.....	3.60	....	....	6.20	6.50	6.80	7.10	7.50	7.90	8.20	8.70	8.90
Czechoslovakia.....	....	....	....	7.50	8.10	8.80	9.50	10.0	11.0	12.0	12.5	13.5
East Germany.....	....	....	....	14.0	14.0	14.0	9.00	8.50	8.00	7.50	7.00	6.50
Hungary.....	2.90	....	....	3.80	3.80	4.00	4.10	4.20	4.40	4.50	4.60	4.70
Poland.....	<sup>b</sup> 3.70	5.80	7.20	5.70	6.00	7.20	7.90	8.60	9.30	9.90	10.5	11.1
Rumania.....	4.10	....	....	5.00	5.20	5.30	5.50	5.70	5.90	6.10	6.20	6.40
China.....	5.43	14.4	23.0	25.4	28.0	31.0	34.0	37.0	40.0	43.0	56.0	59.0
North Korea.....	....	....	....	1.44	....	....	....	....	....	....	1.56	....

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	4.22	4.14	Iceland.....	0.30	0.31	Portugal.....	2.12	2.03
Canada.....	17.3	16.0	Italy.....	31.1	31.2	Saar.....	0.037	0.036
Denmark.....	1.56	1.40	Luxembourg....	0.16	0.17	Turkey.....	9.48	11.7
France.....	15.7	15.9	Netherlands....	2.52	2.50	UK.....	25.7	17.2
Greece.....	4.98	5.22	Norway.....	4.82	4.70	West Germany....	17.1	16.8

<sup>a</sup> No known production in North Vietnam.

<sup>b</sup> 1937.

SECRET

147



**SECRET**

\* Figures include letters (airmail, ordinary mail, and registered mail), post cards, printed matter, business papers, small samples, little packages, and phonopost packets. Tax-free mail is included but mail with declared value is excluded. Data refer to both domestic mail and mail to and from foreign countries. All NATO countries are included except France from 1952 to 1954.

SECRET

TRADE

Table 187

## TOTAL SINO-SOVIET BLOC TRADE WITH FREE WORLD

Country	1950-55						Million US\$
	1950	1951	1952	1953	1954	1955	
Sino-Soviet Bloc.....	3,270	3,570	3,060	3,010	3,600	4,460	
USSR.....	553	778	946	798	1,080	1,220	
China.....	987	971	638	722	665	803	
Mongolian Peoples Republic.....			3	9	7	10	
European Satellites.....	1,730	1,820	1,480	1,480	1,850	2,430	
Albania.....	0.293	0.221	0.150	0.253	0.315	0.975	
Bulgaria.....	29	19	34	58	50	50	
Czechoslovakia.....	597	599	410	341	425	600	
East Germany.....	266	219	251	327	490	567	
Hungary.....	221	194	168	148	213	336	
Poland.....	542	693	526	481	515	681	
Rumania.....	77	97	87	128	153	196	

Table 188

## EAST-WEST TRADE

1950-55												Million US\$
Country	Exports to Free World						Imports From Free World					
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc...	1,730	1,880	1,620	1,620	1,830	2,420	1,540	1,690	1,440	1,390	1,760	2,040
USSR.....	252	391	463	374	505	644	301	387	483	424	574	575
China.....	535	525	365	434	371	490	452	446	273	288	294	313
Mongolian Peoples Republic..	.....	.....	3	8.66	6.91	9.61	.....	.....	.....	.....	.....	.....
European Satel- lites.....	940	967	794	804	950	1,280	792	854	682	678	896	1,150
Albania.....	0.064	0.146	0.083	0.100	0.102	0.292	0.229	0.075	0.072	0.153	0.213	0.683
Bulgaria.....	12.9	11.6	17.6	29.0	29.4	24.2	16.3	7.42	16.0	28.6	20.8	25.4
Czechoslo- vakia.....	347	323	239	205	239	341	250	276	171	136	186	259
East Germany.	152	118	132	168	236	292	114	101	119	159	254	272
Hungary.....	103	102	85	66	90	146	118	92.4	82.5	81.5	122	190
Poland.....	293	369	285	271	268	358	249	324	241	210	247	323
Rumania.....	32.3	43.7	34.7	64.7	87.5	118	44.3	53.2	52.4	63.0	65.4	77.8

SECRET

149

TRADE

SECRET

Table 189  
CHINA TOTAL TRADE TURNOVER,  
BY MAJOR AREA,  
1950-55

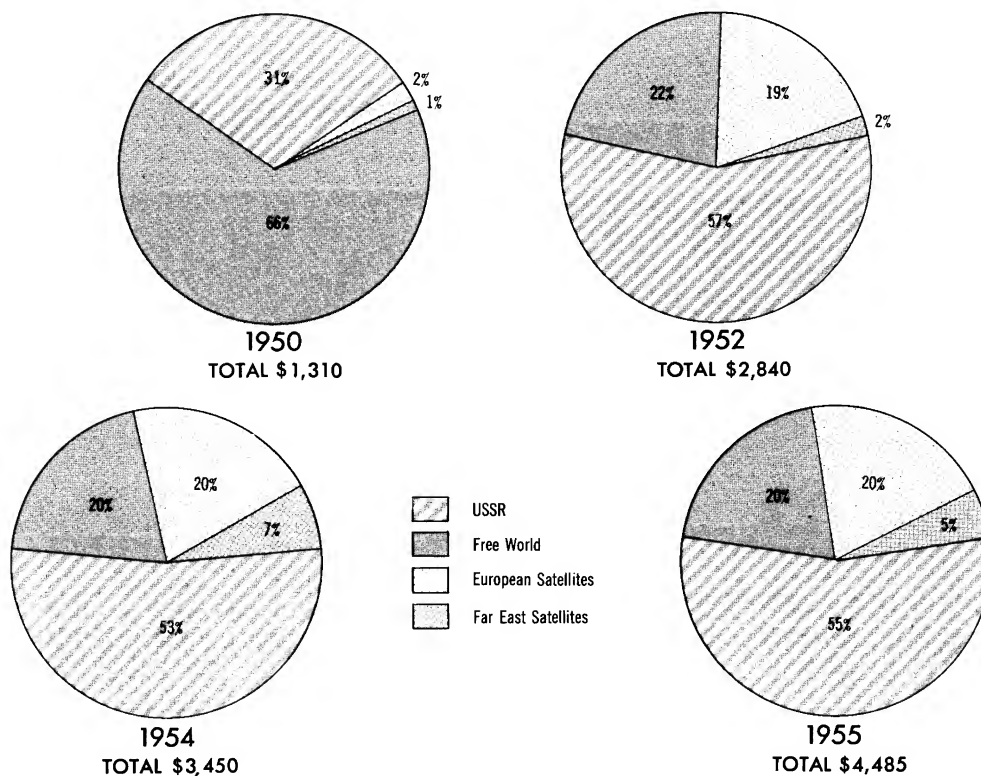
Million Current US\$					
Year	USSR	Euro- pean Satel- lites	Far East Satel- lites	Free World *	Total
1950.....	405	25	10	870	1,310
1951.....	1,055	285	30	795	2,165
1952.....	1,630	540	50	620	2,840
1953.....	1,860	545	85	810	3,300
1954.....	1,830	690	240	690	3,450
1955.....	2,480	900	230	875	4,485

\* These totals differ from the data on Table 188 because of the difference in method of reporting. This table is made up of official data reported by China in terms of CIF prices for imports and FOB prices for exports. It also includes CIA estimates of unrecorded trade with China plus other adjustments. Table 187 on the other hand quotes only free world reported trade with China, in terms of CIF prices for imports from China to the Free World and FOB prices for exports to China from Free World ports.

**SECRET**

Figure 22

**COMPARISON OF TOTAL TRADE TURNOVER OF CHINA  
WITH SELECTED AREAS, 1950, 1952, AND 1954-55**  
*(million current US dollars)*



25709 2-57

**SECRET**

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

## SECRET

## MILITARY END ITEMS

Table 190

## PRODUCTION OF AMMUNITION

Country	1938 and 1946-55							Thousand Metric Tons			
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc.....				238	251	344	502	622	652	590	581
USSR.....	480	Negl	80.0	230	240	290	440	550	580	550	540
European Satellites.....				8.0	10.9	13.5	15.2	17.8	18.2	18.5	18.3
Bulgaria.....				0.200	0.400	0.500	0.700	0.800	0.900	0.900	0.900
Czechoslovakia.....				6.00	8.00	9.00	10.0	12.0	11.0	11.0	11.0
East Germany.....			0	0	0	0	0	0	0	0.200	0.200
Hungary.....				1.00	1.00	2.00	2.00	2.00	3.00	3.00	2.00
Poland.....				0.80	1.00	1.40	1.70	2.00	2.10	2.20	3.00
Rumania.....					0.500	0.600	0.80	1.00	1.20	1.20	1.20
China.....						41.0	47.0	54.0	54.0	22.0	23.0

Table 191

## PRODUCTION OF SMALL ARMS

Country	1946-55							Thousand Pieces		
	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc.....			466	398	509	596	918	1,030	1,060	771
USSR.....			282	282	282	282	320	400	400	400
European Satellites.....	5.0	45	60	115	190	270	391	394	395	106
Czechoslovakia.....	50	45	60	115	160	190	216	200	170	60
East Germany.....			0	0	0	0	1.0	4.0	20	18
Hungary.....			0	0	20	50	53	50	45	7.0
Poland.....			0	0	10	30	110	130	150	11
Rumania.....			0	0	0	0	11	10	10	10
China.....			124	.....	36.2	43.0	207	234	265	265

Table 192

## PRODUCTION OF MORTARS

Country	1946 and 1948-55							Pieces	
	1946	1948	1949	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc.....		18,600	6,000	6,800	7,000	12,800	13,500	14,300	15,300
USSR.....		6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
European Satellites.....		0	0	0	0	1,800	1,700	1,600	1,600
Czechoslovakia.....		0	0	0	0	800	900	900	1,000
Hungary.....		0	0	0	0	600	700	600	500
Rumania.....		0	0	0	0	400	100	100	100
China.....	• 6,000	12,600	.....	800	1,000	5,000	5,800	6,700	7,700

• 1945.

SECRET

151

MILITARY END ITEMS

SECRET

Table 193  
PRODUCTION OF ARTILLERY

Country	1946-56										Pieces
	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc. ....			11,600	10,100	10,400	10,500	11,600	11,800	10,000	9,300	8,600
USSR <sup>a</sup> .....	19,000	15,000	11,300	10,000	10,000	10,000	10,000	10,000	8,000	7,000	7,000
Czechoslovakia.....			0	100	150	300	600	600	600	700	.....
China.....			300	.....	200	200	1,000	1,200	1,400	1,600	1,600

<sup>a</sup> 37 mm. and over.

Table 194  
PRODUCTION OF TANKS AND ASSAULT GUNS

Country	1938 and 1946-55										Units
	1938	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
Sino-Soviet Bloc.....								6,380	6,450	6,600	6,600
USSR.....		9,050	7,300	6,000	7,150	6,770	6,150	6,250	6,150	6,000	6,000
European Satellites.....	200			0	0	0	0	130	300	600	600
Czechoslovakia <sup>a</sup> .....	200			0	0	0	0	80	150	300	300
Poland <sup>a</sup> .....	0			0	0	0	0	50	150	300	300

<sup>a</sup> Tanks (T-34/85 Medium Tanks).

Table 195  
INVENTORY OF WEAPONS AND AMMUNITION  
1946, 1951-56

Unit of Measure		Sino-Soviet Bloc	USSR	European Satellites	Albania	Bulgaria	Czechoslovakia	E. Germany	Hungary	Poland	Rumania	China
Self-propelled guns:												
1946 <sup>a</sup>	Pieces		16,000		Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
1954 <sup>b</sup>	do	27,100	25,300	1,780	40	200	380	220	200	360	375	40
1955 <sup>b</sup>	do		26,500									
Tanks:												
1946	Each		27,600		Negl	Negl	Negl	Negl	Negl	Negl	Negl	Negl
1954	do	66,400	62,000	3,890	40	750	720	680	630	620	450	550
1955 <sup>b</sup>	do		65,900									
Artillery:												
1946	Pieces			4,920	100	500	1,900		120	500	1,800	
1954	do	136,000	114,000	14,200	500	2,200	3,900	1,300	1,800	2,100	2,400	7,800
1955	do		114,000									10,000
1956	do		114,000									
Small Arms:												
1946	Thousand pieces			615	50	55	160		65	165	120	
1954	do	12,500	9,100	1,860	100	270	400	150	270	350	315	1,550
1955	do		9,200									1,630
1956	do		9,200									
Mortars:												
1946	Pieces			3,350	150	400	1,000		500	400	900	
1954	do	116,000	85,800	8,500	500	1,400	2,000	600	1,300	1,600	1,100	21,500
1955	do		86,000									22,800
1956	do		86,300									
Ammunition:												
1946	Thousand metric tons			122	4	15	18	45	14	10	16	
1951	do											20
1952	do											45
1953 <sup>b</sup>	do	5,310	4,100	1,120	33	139	173	399	135	91	152	91
1954 <sup>b</sup>	do	7,380	6,000	1,270	36	152	183	487	149	100	167	103
1955	do		6,500									
1956	do		7,000									

<sup>a</sup> As of January.

<sup>b</sup> As of December.

<sup>c</sup> Figures are ground artillery only. Antiaircraft artillery for 1954 equalled 51,100 pieces; for 1955 equalled 48,800 pieces; and for 1956 equalled 46,600 pieces.

SECRET

SECRET

MILITARY END ITEMS



## MILITARY END ITEMS

## SECRET

Table 196  
PRODUCTION OF NAVAL VESSELS

Country	1950-56				Standard Displacement Tons		
	1950	1951	1952	1953	1954	1955	1956
Sino-Soviet Bloc *	162,000	152,000	130,000	156,000	200,000	223,000	220,000
USSR	161,000	150,000	124,000	149,000	188,000	209,000	209,000
European Satellites	970	1,700	3,600	3,350	3,680	3,720	.....
East Germany	420	1,150	3,050	2,800	3,680	3,720	.....
Rumania	550	550	550	550	0	0	0
China	.....	300	2,600	3,900	8,200	10,500	11,000

\* No production in Albania, Bulgaria, Czechoslovakia, Hungary, Poland, and North Korea.

Table 197  
INVENTORY OF NAVAL VESSELS

January 1956

	USSR	China	Bul- garia	Poland	Ru- mania
Old Battleships	3	....	....	....	....
Monitors	1	....	....	....	....
Heavy Cruisers	6	1	....	....	....
Old Heavy Cruisers	....	....	....	....	....
Light Cruisers	20	....	....	....	....
Old Light Cruisers	2	....	....	....	....
Destroyers	139	4	1	1	....
Old Destroyers	7	....	1	1	4
Coastal Destroyers	14	....	....	....	....
Destroyer Escorts	70	....	....	....	....
Submarines	....	12	....	6	....
Active	382	....	....	....	....
Inactive	36	....	....	....	....
Old Submarines	....	....	3	3	3

SECRET

### Bibliography<sup>a</sup>

1. Agriculture. *Agriculture Statistics*.
  2. Agriculture, Foreign Agricultural Service. *Foreign Crops and Markets*.
  3. American Bureau of Metal Statistics. *Yearbook of the American Bureau of Metal Statistics, Thirty-Fourth Annual Issue for the Year 1954*, Jun 1955.
  4. American Bureau of Metal Statistics. *Yearbook of the American Bureau of Metal Statistics, Thirty-Fifth Annual Issue for the Year 1955*, Jun 1956.
  5. Canada, Dominion Bureau of Statistics. *Canadian Statistical Review*.
  6. Commerce, Bureau of the Census. *Statistical Abstract of the United States*.
  7. Commerce, Office of Business Economics. *Survey of Current Business*.
  8. FCC. *Annual Report*.
  9. France. US Operations Mission to France. *Data Book*.
  10. Gt. Britain. Central Statistical Office. *Annual Abstract of Statistics*.
  11. Gt. Britain, Colonial Geological Surveys, Mineral Resources Division. *Statistical Summary of the Mineral Industry, 1949-1954*.
  12. Interior, Bureau of Mines. *Minerals Yearbooks*.
  13. International Telecommunications Union, General Secretariat. *General Radiocommunications Statistics*.
  14. Organisation for European Economic Cooperation. *Industrial Statistics, 1900-1955*.
  15. Organisation for European Economic Cooperation. OEEC Statistical Bulletins, *General Statistics*.
  16. UN, FAO. *Yearbook of Food and Agricultural Statistics*, Geneva.
  17. UN. *Monthly Bulletin of Statistics*.
  18. UN, Secretariat. *Statistical Yearbooks*.
- <sup>a</sup> This list was selected from about seventy sources as those most frequently used for Free World data.

SECRET

155

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

Sanitized Copy Approved for Release 2011/01/03 : CIA-RDP07-00617R000100030001-8

SECRET

## ALPHABETICAL INDEX

	<i>Page</i>		<i>Page</i>
Aeronautical Radio Stations	139	Coke, Metallurgical	23
Agricultural Machinery	112	Combines, Grain	113
Agricultural Labor Force	14	Communications	139-148
Agriculture and Processed Foods	57-83	Construction	136-138
Aircraft	123-126	Consumer Industry	85-90
Aluminum	46	Copper	47
Ammonia, Synthetic	92	Corn	64
Ammunition	151, 153	Cotton	67
Animal Fats	81	Cotton Fabrics	87
Anti-friction Bearings	110	Cotton Yarn	85
Antimony	51	Crude Petroleum	25
Artillery	152	Crude Steel	38
Asbestos	53	Cultivators	112
Assault Guns and Tanks	152		
Automobiles	121, 130	Defense Budget	11
		Diesel Fuel	29
Barges	135	Diesel Locomotives	118
Barley	62		
Batteries, Primary	105	Electric Generators	104
Batteries, Storage	105	Electric Locomotives	118
Bauxite	45	Electric Motors	103
Bearings, Anti-friction	110	Electric Power	17
Benzol	97	Electronic Resistors	106
Breadgrains	58	Electron Tubes	106
Bricks	138	Electric Wire and Cable	104
Brown Coal	20	Electrical Industry	102-108
Budgets, State	4-11	Employment	13-14
		Energy and Fuels	17-34
Cable and Wire, Electric	104	Expenditures	4-11
Cadmium	52	Exports	149-150
Calcium Carbide	97		
Capacitors, Electronic	106	Fabrics, Cotton	87
Cattle	72	Fabrics, Linen	88
Caustic Soda	95	Fabrics, Woolen	88
Cement	137	Fats, Animal	81
Chemicals	91-99	Ferralloying Metal	40-44
Chlorine	96	Finished Steel	39
Chrome	40	Fish Catch	77
Coal	18	Fisheries	77
Coal Mining Equipment	111	Fishing Vessels	116
Coal Tar Products	97-99	Fixed Radio Stations	140
Coarse Grains	61	Flour	81
Coastal Radio Stations	139	Fluorspar	54
Cobalt	44	Footwear (leather)	89
Coke	22	Food Consumption (Household)	83

SECRET

157

## SECRET

	<i>Page</i>		<i>Page</i>
Food Crops	57-66	Meat	78
Forest Products	75-76	Merchant Fleet	134
Freight Cars	120, 133	Mercury	53
Freight, Highway Traffic	128	Metallforming Machinery	109
Freight, Inland Water Traffic	129	Metallurgical Coke	23
Freight, Ocean Traffic	130	Metallurgical Equipment	111
Freight, Railway Traffic	127	Military End Items	151-154
Fuel, Diesel	29	Milk	80
Fuels and Energy	17-34	Mineral and Metals	35-55
Fuel, Motor	28-29	Mining Equipment, Coal	111
Fuelwood	75	Molybdenum	43
		Mortars	151
Gasoline	28	Motors, Electric	103
Generators, Electric	104	Motor Fuel	28-29
Grain Combines	113		
Grain (total)	57	Naphthalene	99
Gross National Product	1-3	National Accounts	1-11
		Natural Gas	26
Hard Coal	19	Naval Vessels	154
Highway Freight Traffic	128	Nickel	42
Hogs	73	Nitric Acid	93
Horses	71	Non-Agriculture Labor Force	14
Household Food Consumption	83	Non-Ferrous Ores and Metals	45-50
Housing Construction (Urban)	136		
		Oats	63
Imports	149-150	Ocean Transportation	130
Industrial Wood	76	Oil Products, Synthetic	33
Inland Water Transportation	129	Oils, Lubricating	31
Inland Water Vessels	115	Oils, Vegetable	70
Iron, Pig	37		
Iron Ore	35	Passenger Cars, Railway	119, 132
		Peat	21
Kerosine	30	Per Capita Production of Food	82
		Per Capita Production of Non-Food	
Labor Force	13-15	Consumer Goods	85
Lead	48	Petroleum, Crude	25
Lignite	20	Petroleum Products (Total)	27
Linen Fabrics	88	Petroleum Consumption by Military	
Livestock	71-74	Forces	33-34
Locomotives	117, 131	Phenol	99
Looms	111	Pig Iron	37
Loudspeakers (wired)	141	Platinum	51
Lubricating Oils	31	Plows	112
		Population (Total)	13-16
Machinery Industry	109-114	Population of Union Republics	16
Machine Tools	109	Postal Service	148
Magnesium	52	Potatoes	66
Mail	148	Precious Metals	51
Manganese Ore	36	Processed Foods	78-83
Manufactured Items	85-126	Pyrites (Sulfur Content)	55
Manufactured Gas	24		
Maritime Vessels	115, 134		

## SECRET

	<i>Page</i>		<i>Page</i>
Radio Receivers .....	107, 143	Telephone Conversations (long dis-	
Radio Stations, Coastal, Aeronautical,		tance) .....	146
and Fixed .....	139, 140	Telephone Subscribers .....	145
Radio Transmitting Stations .....	142	Television Receivers .....	108, 144
Rail Freight Traffic .....	127	Television Transmitting Station .....	142
Railway Locomotives .....	117-118	Textile Machinery .....	111
Railway Passenger Cars .....	119, 132	Tin .....	49
Rayon Yarn .....	86	Tires, Rubber .....	101
Refrigerators .....	89	Toluol .....	98
Residuals and Others .....	32	Tractors .....	114
Resistors, Electronics .....	106	Trade .....	149-150
Revenues .....	4-11	Transformers, Power and Distribution .....	102
Rice .....	65	Transportation .....	127-135
River Fleet .....	135	Transportation Equipment .....	115-126
Rubber and Rubber Products .....	100-101	Trucks .....	122
Rubber, Reclaimed .....	100	Tubes, Electron .....	106
Rubber, Synthetic .....	100	Tugs .....	135
Rubber Tires .....	101	Tungsten .....	41
Rye .....	60	Turbines (Steam and Hydraulic) .....	102
Seed Drills .....	112	Urban Housing Construction .....	136
Services .....	127-150	Vanadium .....	44
Sheep .....	74	Vegetable Oils .....	71
Shipbuilding .....	115-116	Vehicles, Commercial .....	122
Small Arms .....	151	Vessels, Fishing .....	116
Soda Ash .....	94	Vessels, Inland Water .....	115-116
Spindles .....	111	Vessels, Maritime .....	115, 134
Steam Locomotives .....	117	Vessels, Naval .....	154
Steel, Crude .....	38	Vessels, Tankers, Tugs, and Barges .....	116, 135
Steel, Finished .....	39	Washing Machines .....	90
Storage Batteries .....	105	Wheat .....	59
Sugar .....	79	Wire and Cable, Electric .....	104
Sugar Beets .....	69	Wire Radio Diffusion Centers .....	140
Sulfuric Acid .....	91	Wool, Grease Basis .....	68
Switchgear and Switchboard Appa-		Yarn, Cotton .....	85
ratus .....	105	Yarn, Rayon .....	86
Synthetic Ammonia .....	92	Yarn, Wool .....	86
Synthetic Oil Products .....	33	Zinc .....	50
Synthetic Rubber .....	100		
Tanks and Assault Guns .....	152		
Technical Crops .....	67-70		
Telegrams, Domestic over Basic System .....	147		

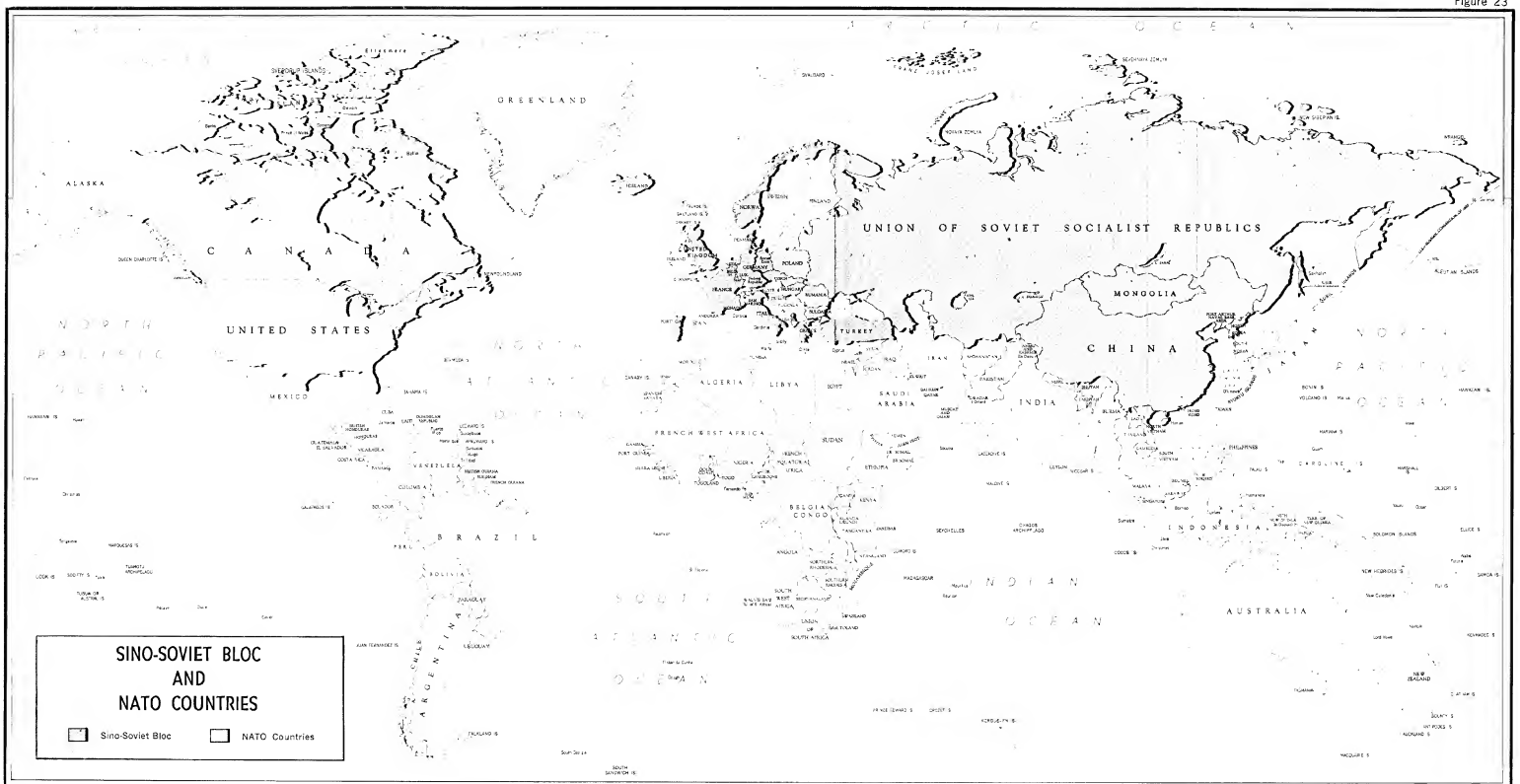
SECRET

159

**SECRET**

**SECRET**

**SSO - 6655 - 12/56**





**SECRET**

**SECRET**